

O.A.C. REVIEW



Christmas Number

Vol. XLIII

No. 5

De Laval Milkers

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LEAD

JUST as the De Laval Separator has an overwhelming lead over all other makes, both in numbers in use and in popular acceptance, so does the De Laval Milker lead in its field. Every investigation of a widespread nature reveals that there are now more De Laval Milkers in use than of any other make, and that when it comes to the kind of machine prospective users intend to buy De Laval Milkers have an overwhelming preference.

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	Brand Name	Percentage Now Owned	Percentage Machines Desired By Those Who Plan to Buy
1.	De Laval Milker	30%	75%
2.		14%	11%
3.		10%	2%
4.		8%	..
5.		10%	1%
6.		10%	1%
7.		5%	6%
8.		5%	..
9.		1%	..
10.		1%	..
11.		5%	2%

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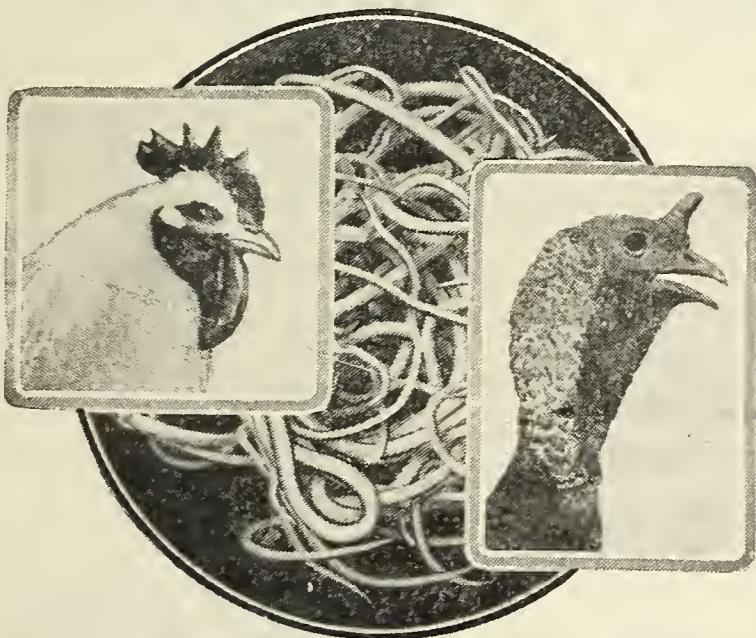
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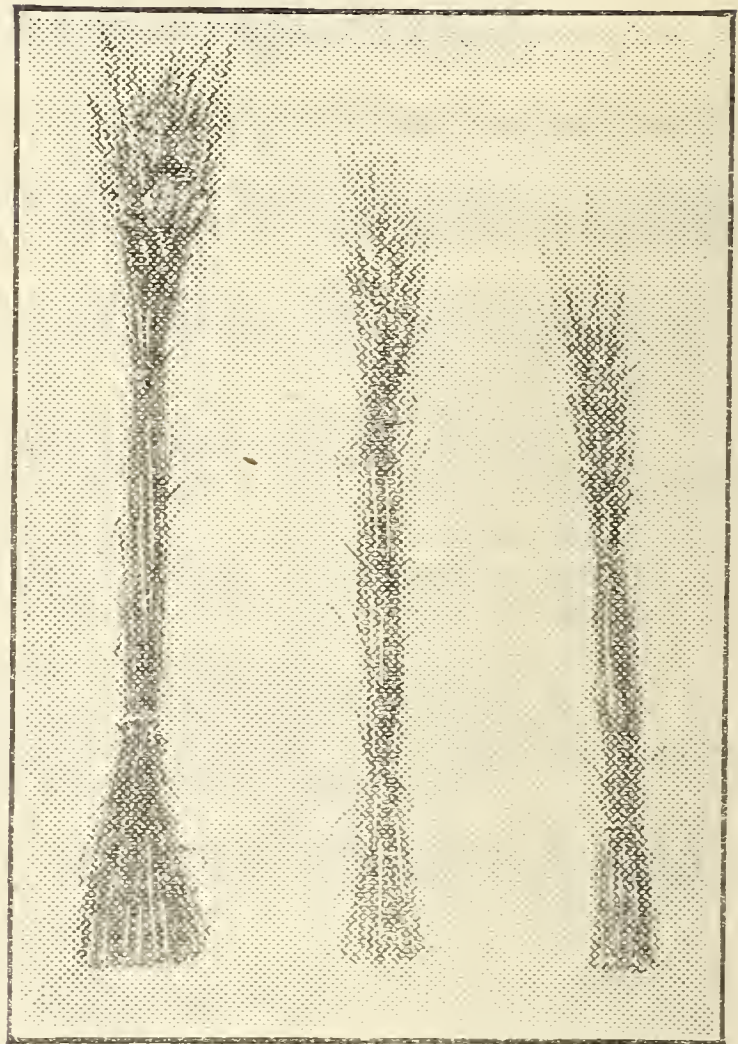
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THE COLLEGE CAMPUS IN JANUARY

The Review Staff
wish you
a Very Merrie Christmas
and
a Happy New Year

THE OAC REVIEW

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EDITORIAL

Wake Up and Get Busy

IT IS often stated that the education received out of of class is of greater value than the presented courses.

It is doubtful if the members of the Faculty would agree with this statement but, nevertheless, it is a fact that the contacts and experiences that a student obtains by participating in the usual activities of campus life, whether they be social, athletic, executive, dramatic, or any one of the other numerous interests, are a vital and necessary part of his education.

There are many graduates who go forth from our institutes of learning with their heads crammed full of facts, and little more; but it is the student who, while paying strict attention to the academe work, has yet taken some part in the usual activities outside the lecture room, who will, nine times out of ten, outdistance his more studious friend when it comes to competing in the outside world.

There are few Colleges where one has such an excellent opportunity of taking a part in student activities as at the O.A.C., where one is closely associated with the whole student body.

The opportunity of living in residence right on the campus enables the student to make friends and acquaintances which would be out of the question if the lecture room was the only place of meeting.

The pleasant surroundings that we are fortunate enough to live in, the excellent opportunities for associating with our fellow students, the general environment, have all helped towards the building up of the magnificent spirit of co-operation and friendship which exists in our student body today.

But yet, even with all these opportunities, there is still a great tendency among many of our number to allow the brunt of the work to fall on other shoulders.

Perhaps it is because they fail to realize the benefits which they are passing over and which the other fellow is accumulating to his own welfare; perhaps it is because they possess an "inferiority complex" and hesitate to push themselves forward; but the probable answer in the majority of cases is one of downright laziness.

It certainly was not with the help of this type of fellow that the wonderful student spirit of co-operation was built up—a spirit which we are proud of, which we boast of to more than one of our contemporary Colleges.

However, like the poor, this type is always with us and, if they cannot be awakened and made to realize their responsibilities, the only thing that can be done is to endure them in silence.

This magazine, the mouthpiece of the O.A.C., needs the full support of all the students, if it is to maintain the high standard of quality for which it is so well known.

In a student body of over 700 there must be a large number who can successfully wield a pen. While it is necessary that everything printed in the Review should be up to a certain standard, yet any student, with the training received at this College, should be able to come up to the requirement.

Here is an opportunity to get some practice at journalism, an art which will be of value no matter what line of work one may follow, and the Review will welcome your support and contributions.

BEFORE we get down to business, may we wish all our readers a Very Merry Christmas and a Happy New Year.

Christmas is no time for serious thoughts, nor do we wish to write of serious subjects, but "Needs must ——" and as the birth of new ideas is traditionally connected with the festive season, we are asking you to give serious consideration to the point at issue.

The Review is at the cross-roads, for various reasons which will not be taken up here. Certain changes have been made in the presentation of this number which may not meet with everyone's approval. We ourselves feel that it leaves much to be desired though it represents a great deal of hard work. What do you think about it?

The course to be pursued is in your hands. Do not hesitate to express your opinion in as forcible a fashion as you think fit, and as soon as possible. Procrastination is the thief of time. The cover—the appearance of the page—the material, all should form topics for a good deal of discussion among our readers. Why not let us know about it before it is too late?

The American Soil Survey Association

By F. F. Morwick, '27, M.S.A.

MANY attempts have been made to outline and establish a basis on which to classify soils. The geologist studies the rock particles from which the soils are formed and the ways and means of deposition; the botanist studies the plant associations and their habitats; the climatologist studies the effects of temperature and moisture on soil formation and so on, and each works out a soil classification based on his own findings. Each method of study contributes to the knowledge of the soil but no single one tells the whole story. From this, developed the field of "Soil Science", in which the soil is studied as a natural body.



G. N. RUHNKE, '23
Unanimously elected President
of the American Soil Survey As-
sociation for 1930-1931.

In later years, many men have devoted their whole time to the study of soils, as they exist, how they are formed, where they are and what changes are taking place in them. Soils present such a wide variation, both in regional distribution and local development, that before any reliable data can be accumulated we must have a sound basis of classification on which to work. With this idea in mind, a group of men in the United States, interested particularly in that phase of soil study which deals with classification and distribution, met in Chicago in 1920 and formed a society known as the "Society of Soil Survey Workers." From year to year their numbers increased and they welcomed members from several of the Provinces to the north. They met annually and discussed their problems and compared their findings. Later, it was decided to

change the name of the organization to the "American Soil Survey Association." In the last few years fifty per cent. or more of the papers given at their annual conventions have been highly technical discussions, dealing with some physical, chemical or biological study of some particular soil or the development of a new method of analysis, so that the Association is really now an Association of Soil Science.

The membership is now nearing the three hundred mark and includes members from most of the States in the Union and several of the Provinces in Canada. Up until last year the members of the executive were always elected from the U.S. members, but then it was felt by the association that Canada should be represented on the executive and Mr. G. N. Ruhnke, of the Ontario Agricultural College, was unanimously elected Vice-President. This

year he was nominated for presidency and was again elected unanimously.

As well as being a mark of distinction for Mr. Ruhnke himself, this also brings credit to the O.A.C. and signifies that our College is being recognized as an active institution in soil investigations.

The Royal

1930 IMPRESSIONS AT CANADA'S LARGEST AGRICULTURAL EXHIBITION

D. J. McTaggart, '32

THE "Royal" may be described as the largest indoor exhibition in the world. Here it is possible for the visitor to find, under one roof, the best in farm products culled from Canada and the United States. No other agricultural fair embraces the whole field of agriculture in so complete and thorough a manner, and none other offers more ideal accommodation both for exhibitors and visitors. In the choicest specimens of the animal kingdom we see the "Battle of Breeds". Nature displays, in brightest hue, the finest products brought forth from the soil, while science and invention combine to make the fair of lasting service. The Royal was this year opened by Sir Robert Borden, Canada's War-Time Premier, at the evening performance on Wednesday, November 19th. That the fair has taken on an international aspect is emphasized by the fact that, during the course of the evening, seven army teams from six different countries took part in the competition.

"The Five Hundred Party"

On the opening night of the fair, five hundred farm boys from every district and county in Ontario paraded the arena. These boys were guests of the Provincial Government, and were entertained in royal fashion, not only by the Government itself, but by the University of Toronto, The Industrial and Development Council of Canadian Meat Packers, The Massey-Harris Co., and the T. Eaton Co. At a banquet given in the King Edward Hotel by the T. Eaton Co., Mr. R. Y. Eaton announced that they were donating fifteen hundred dollars to be divided into one hundred dollar scholarships, and awarded to boys from the "500 party" who will attend a two year course at the O.A.C. In appreciation of the generous offer the Department of Agriculture has also agreed to remit the tuition fees in the case of these boys. They will be selected by means of examinations based on what they saw, or should have seen, and heard while in Toronto. A feature of the banquet was the address given by Dr. G. I. Christie. He expressed his pleasure at seeing Junior Farmer projects in Ontario developing in such a diversified manner. He pointed out to the boys that the trip should not only be of great benefit to themselves, but to the communities from which they came.

College Team Lives up to Reputation

In the inter-College Live Stock Judging Competition, the O.A.C. team won highest honours. This makes the fifth time in the past six years that a team representing the College has won this distinction, and as a result the handsome trophy donated by the Acme Farmers' Dairy Co. Limited, now becomes the permanent possession of the College. In making the presentation of this prize, Mr. G. A. Aird, General Manager of the Dairy, made an announcement which was received with a great deal of delight, namely, that his company would replace the trophy won this year by the O.A.C. This new trophy will be up for competition for the first time at the next Royal in the Inter-College Contest. The high man this year was H. W. Goble, O.A.C., with a score of 830 out of a possible 1,000 points. E. A. Innes, O.A.C., stood fourth, and was also second in sheep. H. J. Watt, O.A.C. obtained second place in beef cattle. The contest was made more international in scope this year by the appearance of a team from the Pennsylvania State College. This is the first time that a team from across the line has taken part in the competition at the Royal.

A Tour of the Exhibits

Entering from the south entrance visitors were greeted with a magnificent display of flowers and fruit. Thousands of boxes of apples from the sunny Pacific Coast, the Maritimes, and the orchard lands of Ontario, furnished keen competition. Though many awards went to British Columbia, yet the results show that the most perfect specimens of that supreme variety, the McIntosh Red, were produced in Ontario from a seedling by Allan McIntosh, of Dundas County, in 1870.

Down through another wing beyond the arena was an exhibit of agricultural machinery, and the latest inventions in equipment and conveniences for the home were displayed in various booths. Exhibits of the various branches of the Department of Agriculture were most striking and educational. That the many service clubs, such as the Kiwanis, Rotary, Chambers of Commerce, etc., are co-operating with the Ontario Department of Agriculture in promoting Boys' Club work may be emphasized by the Boys' Potato Club Exhibit at the Royal. This tells the story of seven clubs which participated in potato club work during the past summer. In order to improve this special crop in Ontario, attention is focussed on seed selection, use of fertilizer, proper spraying, grading and marketing. The value of such methods was amply demonstrated by the excellent quality of the prize winning exhibits. It may be of interest to note that in Ontario County, production costs show that a yield of 128 bushels per acre was produced at 60c per bushel, 215 bushels at 34c per bushel, and 312 bushels at 27c per bushel. The cost varies inversely with the yield.

The Live Stock Building

Passing into the main building which held the live stock exhibits, were

cattle representing an aggregate value of hundreds of thousands of dollars. and scattered through the valuable herds were noted champions from both Canada and the United States. Among the numerous exhibitors were to be found many former O.A.C. men. Ken Deacon, well known by the student body, received many prizes. One of the most coveted honours of the show, the Grand Championship in the market division, was obtained by this exhibitor with his Shorthorn steer, Tam o' Glenburn. This yearling weighed 1,400 pounds and sold by auction to the Robt. Simpson Co. for one dollar per pound. Professor Sackville, of the University of Alberta, formerly Associate Professor of Animal Husbandry at the O.A.C., sent down the Reserve Champion Shorthorn, as well as several other first prize winners.

'29 Produced Good Hog Men

Some wonderfully good line-ups of sheep and swine were seen at the Royal. In some cases, a worthy list of prize winners might have been picked after all the awards had been passed out. Perhaps one of the most interesting features of the judging to those who viewed the display from the side was the placing of the Inter-Provincial car load bacon hog competition. The judges after deliberating for an hour and ten minutes finally decided that the Ontario exhibit was superior to that of their Western friends. This proves without doubt that Mac Gordon, '29, and Hank Ford, '29, who helped select this load know what constitutes a real bacon hog. In the individual classes, however, the Ontario exhibitors did not keep the Championships in the Province, both the Grand Champion Barrow and the Grand Champion Wether coming from Western Canada. This is the first year that these prizes have been won by breeders from the West.

It would be difficult to conceive of a more convincing expression of the importance of our live stock activities, and the solidarity of our agriculture, than the Royal Agricultural Winter Fair. Though a great deal is heard at the present time about an economic depression, one had to search in vain for any evidence of gloom at the exhibition just passed. There was a larger number of high quality exhibits, and a larger attendance, both of which seem to act as timekeepers of progress. This stimulates the energy and enterprise of the general public. It opens up mighty storehouses of information to the student, and with the success already attained, there is no doubt but that it will remain one of the best institutions relative to the improvement of live stock and farm products for a very long time.

Another Conversat

YEAR '32's REPUTATION AT STAKE

THE biggest and best dance of the year is coming. Just what does the Conversat mean to you? Have you ever thought of its historic past and of its gradual evolution from a social get-together or promenade to one of the best College dances of the Province? Few people on the campus at the present time will remember the early Conversats where the students of Ag. and the indispensable fair sex sat and talked and possibly held hands in the semi-modern way. In those days, a very short part of the evening was spent in dancing.



CREELMAN HALL—THE HOME OF THE CONVERSAT

To trace the history of the Conversat down through the dim and dusky past would not be necessary to show the contrast of the present with past dances. Each Conversat profits by the mistakes of previous years, and it is safe to assume that each year will produce a dance that is just a little bit better than that of the year before. There has never been a poor Conversat staged in the history of the College, and this year, we are confident in saying, will equal if not surpass past records.

It has been said that last year's Hallowe'en dance was one of the best of its kind that has ever been staged on this campus. This may or may not be correct, but if you were present on that occasion, and if you enjoyed yourself, we just want to pass along the word that '32 is putting on the Conversat on January 30th, and that they are sparing neither time nor money in order that you may be entertained royally.

Conveners have been selected for the different committees. Look them over: H. W. Cole, Chairman; Miss D. Richards, Mac Hall Rep.; B. J. Dunsmore, Treasurer; E. H. Stoltz, Secretary; T. C. Karr, Decorations; S. Henry, Refreshments; N. D. Hogg, Music; R. H. Keith, Invitations; J. E. Stackhouse.

Programmes; D. F. Cameron, Reception; W. E. Arbuthnot, Lighting; W. Dunlop, Floor; H. I. Seymour, Checking.

This Committee has the confidence and support of the Year and are getting plans under way. While concrete plans are not being divulged by any of the conveners, we believe that a considerable amount of energy and grey matter have already been used by these workers behind the scenes.

Regarding decorations, an air of mystery surrounds this hard working department and the most that we can learn is that an entirely new and distinctive scheme will be used and that special attention is being placed on changing lights and the co-ordination of lights and decorations.

Realizing that a high class orchestra is necessary, the boys have sampled the wares of the very best orchestras in the country and for the past month a process of elimination has been under way. The final choice has been the well-known Wright Bros., a talented twelve-piece band who have been playing at the Embassy all summer, as well as at other high-class dances.

How about it, Aggies? Let's turn out and support a real dance. Come along, Alumni, show the old spirit, hear the old yells, revisit the scenes of your hectic youth. The Conversat comes but once in a year.

Nearly Four Years

By P. J. Serfontein, '31

23 September, 1927.

Everywhere the grass is turning brown; a cold breeze shakes the withered leaves from the trees. A thought comes floating through the wind, "The race of men are like the race of leaves." Nothing is permanent, nothing is constant. The dry withered leaves must be shaken off ere the blossom and the fruit of the spring can come.

Thoughts, ideas, sentiments are like leaves. . . . We students are young, but old thoughts, withered ideas and sentiments cling about us. Our brains are like stuffy rooms that are greatly in need of an airing . . . but we are afraid of colds and draughts. We are intimidated by our elders; we never seem to be able to free ourselves from their presence. They are everywhere. Like the ancient Romans we carry our household gods about with us wherever we go.

15th April, 1928.

A short retrospect of the year's work; and what have I achieved? Success in all examinations. 'Tis strange, but I cannot think or measure except in terms of examinations.

Most of us students suffer from the "examination complex." Most of us

start working two months before the exams. "Laboro atque vito," all for the examinations. I hoarded up knowledge, accumulated information, knew the note books and the prescribed books. I brought it all up in the examination answer books; and like an overtaxed stomach after vomiting, I am feeling a little easier now. I often wonder if examinations are anything more than the annual purgative of our mental constipation. But they are necessary. Examinations are the milestones on the path. They mark the progress. They bring degrees; and degrees pave the way for "positions" in life, and make the rough road easy walking.

Did I come here as a thirsty man that goes to the fountain to slake his thirst? How many of us do? Bah! the stupidity of such questions!

23 September, 1928.

I fear I shall have cause to regret my independent thinking. In a good many of us a Prometheus lies bound. I begin to realize there is but one path, the path of Compromise. Vive le compromis! It's no use striking at an iron wall . . . set your weathercocks to see which way the wind is blowing . . . never set sail in stormy seas . . . what depth of wisdom!

Saturday, April, 1929.

This morning I spent some weary hours in the laboratory. I don't know why the work seems so tedious to me of late; it never was so at first. I always loved Nature. Flowers, trees, rocks, birds, fascinated me. All the phenomena of nature seemed to hold within themselves secrets and mysteries undreamed of by man. I am a traveller on the road of discovery. But there dawns a consciousness that all our experiments are but an endless process of verifying our text books. . . .

October, 1929.

We have scored another victory over W——. C. played a brilliant game. How the crowd cheered him! Sports! C'est son metiere! He is our idol of today.

Sports, sports, one hears nothing but sports discussed with all the vehemence and acumen of the peripatetic philosophers. What profound thoughts are expressed on the subject! How wide the knowledge . . . veritable savants. What intellectual exercise!

1st December, 1930.

Five months more before the final examinations and their success. Great God Success, how I honour thee. Then I shall enter upon Life's Calling. Life's Calling? I never heeded Life's voice calling me. To have hearkened to that voice would have meant to struggle, and I dread a struggle. . . .

To make an art of Life . . . something great, something beautiful, one must struggle, one must suffer. . . . The Artist wrestles, conquers or is conquered . . . but his art is above him . . . my Egoism is above all . . . money. I shall rise above many . . . but . . .

The exams are at my heels and here I am wasting valuable time in which I might have added more knowledge to my scanty stock of information. . . .

The Christmas Dinner

By Miss G. G. Hassard

MERRIE CHRISTMAS! What memories and visions of the past those two words bring to each one of us—and what longings, too! And what hope for the future! Christmas above all days, is a day of gladness; the day when the Christian world, including “Old Scrooge”, feels the love of the Great Spirit for humanity; a day of thanksgiving and celebration. Unselfishness and thoughtfulness for others bring an undreamed joy to the world. The Spirit of Love, known as Saint Nicholas, has a place in every heart.

And who has time to think of breakfast on Christmas morning! But meals are more important later in the day. For the table, the colour scheme may be attained in a variety of ways,—the plant of poinsetta on the buffet, a cream damask cloth with pink design, the table centre of Ulrich Brunner, American Beauty, or some red rose, candelabra with red candles. Santa with his equipage, and a cross of red crepe tissue from corner to corner of the table. Individual small paper baskets, with decoration of red and green tissue and sprigs of holly and mistletoe make attractive containers for nuts and sweets.

The family and friends gather round the festive board, and look forward with interest to each new course. The menu may include favourite recipes and new intriguing ones.

	Tomato Juice Cocktail	
	Assorted Hors d'Oeuvres	
	Entree of Creamed Mushrooms	
Celery Curls	Ripe Olives	Radish Roses
Roast Turkey	Gravy	Dressing
	Garnish of Chestnut Cakes	
Duchess Potatoes	Spinach	Buttered Cauliflower
	Cranberry Jelly	
Fruit and Ginger Ale Salad		Cream Dressing
	English Plum Pudding with Brown Sugar Sauce	
	or	
	Napoleon Pie	
Mints	Fruit	Nuts
	Coffee	

The heavy meal is not as smart or as popular as it once was, and omissions or alterations may be made to suit the circumstances. The evening meal might be a comparatively light one, or a light lunch may be followed by dinner in the evening.

	Cream of Corn Soup	
Lettuce	Cucumber Wedges	Red Dressing
	Twenty-four Hour Fruit Salad	
Walnut Cake with Mocha Icing		Christmas Cake
	Bon Bons	
Tea		Coffee

TOMATO COCKTAIL

Recipe as given us by a beloved lady of the College. 2 cupfuls strained tomato juice; 4 teaspoons finely minced parsley; 4 teaspoons finely minced olives. Let stand 3 hours. Strain. Add: $\frac{1}{2}$ teaspoon lemon juice; 1 teaspoon salt; $\frac{1}{8}$ teaspoon tabasco sauce; $\frac{1}{8}$ teaspoon Worcestershire sauce. Chill. Shake. Serve surrounded by shaved ice. (Serves six.)

ASSORTED HORS d'OEUVRES

As served by one of Canada's foremost dietitians. Cut stale bread $1\frac{1}{2}$ inch by $\frac{1}{2}$ inch and toast. With a fine pastry tube place strips of cream cheese on either edge. In the centre place a strip of caviarre.

A second variety in the form of wierd animals may be made by placing one shrimp on the centre and large crouching limbs of cream cheese with mayonnaise are placed at either corner.

ENTREE OF CREAMED MUSHROOMS

As prescribed by a Macdonald Institute student and found popular at Senior Dinner. 1 cupful milk; 2 tablespoons flour; 2 tablespoons butter; 1 teaspoon salt; dash of freshly ground pepper; $\frac{1}{2}$ cupful mushrooms; $\frac{1}{2}$ cupful small peas; $\frac{1}{2}$ cupful celery; parsley. Melt the butter. Add the flour and stir, off the fire, until well blended. Slowly add the milk and continue stirring. Add seasonings and cook over hot water until thickened. Add the peas, chopped celery and mushrooms. Serve garnished with chopped parsley.

CHESTNUT CAKES

4 cupfuls chestnuts; 3 egg yolks; 1 teaspoon salt; dash of white pepper; dash of celery salt; 1 tablespoon grated onion; $\frac{1}{4}$ teaspoon Worcestershire sauce. Boil chestnuts until tender. Remove shells and skins and rub nuts through a sieve. There should be 3 cups of puree. Add the remaining ingredients and form into cakes. Brush over with beaten egg. Roll in cracker crumbs. Saute. Serve as a garnish around roast turkey.

FRUIT AND GINGER ALE SALAD

$1\frac{1}{2}$ tablespoons gelatin; 2 tablespoons cold water; 1-3 cupful boiling water; $\frac{1}{4}$ cupful lemon juice; 2 tablespoons sugar; 1 cupful ginger syrup; 1-3 cupful Malaga grapes, cut and seeded; 1-3 cupful celery, diced; 1-3 cupful apples, diced; $\frac{1}{4}$ cupful pineapple, diced; $\frac{1}{8}$ cupful preserved ginger, cut fine. Soften gelatin in cold water. Mix boiling water, sugar and ginger syrup.



WINTER VIEW OF MACDONALD HALL

heat to boiling, pour over gelatin. Add lemon juice, strain, add ginger ale. Chill, stirring occasionally. When mixture begins to thicken add fruit. Turn into moistened moulds; chill. Serve with cream mayonnaise.

NAPOLEON'S MINCE MEAT

As "handed down" to a friend in the College Cafeteria. 1 pound suet; 1 pound rasins; $\frac{1}{2}$ pound sultanas; 2 pounds sugar; $\frac{1}{2}$ pound mixed candy peel; juice of 3 large lemons; 1 ounce almonds; 5 medium sized apples. Put all ingredients except lemons through the food chopper. Add lemon juice. With the addition of 2 tablespoons of cooking rum this has been known to keep in jars for over a year.

24-HOUR FRUIT SALAD

1 cupful pineapple, cubed; 1 cupful white cherries; 1 box marshmallows, diced; $\frac{1}{4}$ pound shelled pecans or walnuts. Mix with the following dressing: 4 egg yolks; $\frac{1}{4}$ teaspoon salt; $\frac{1}{4}$ cupful cream; juice of one lemon; 2 tablespoons sugar; $\frac{1}{2}$ pint whipped cream. Beat egg yolks. Add salt, sugar and cream, cook until thick. Add lemon juice. When cold add whipped cream.

Training for the "International"

J. K. Galbraith, '31

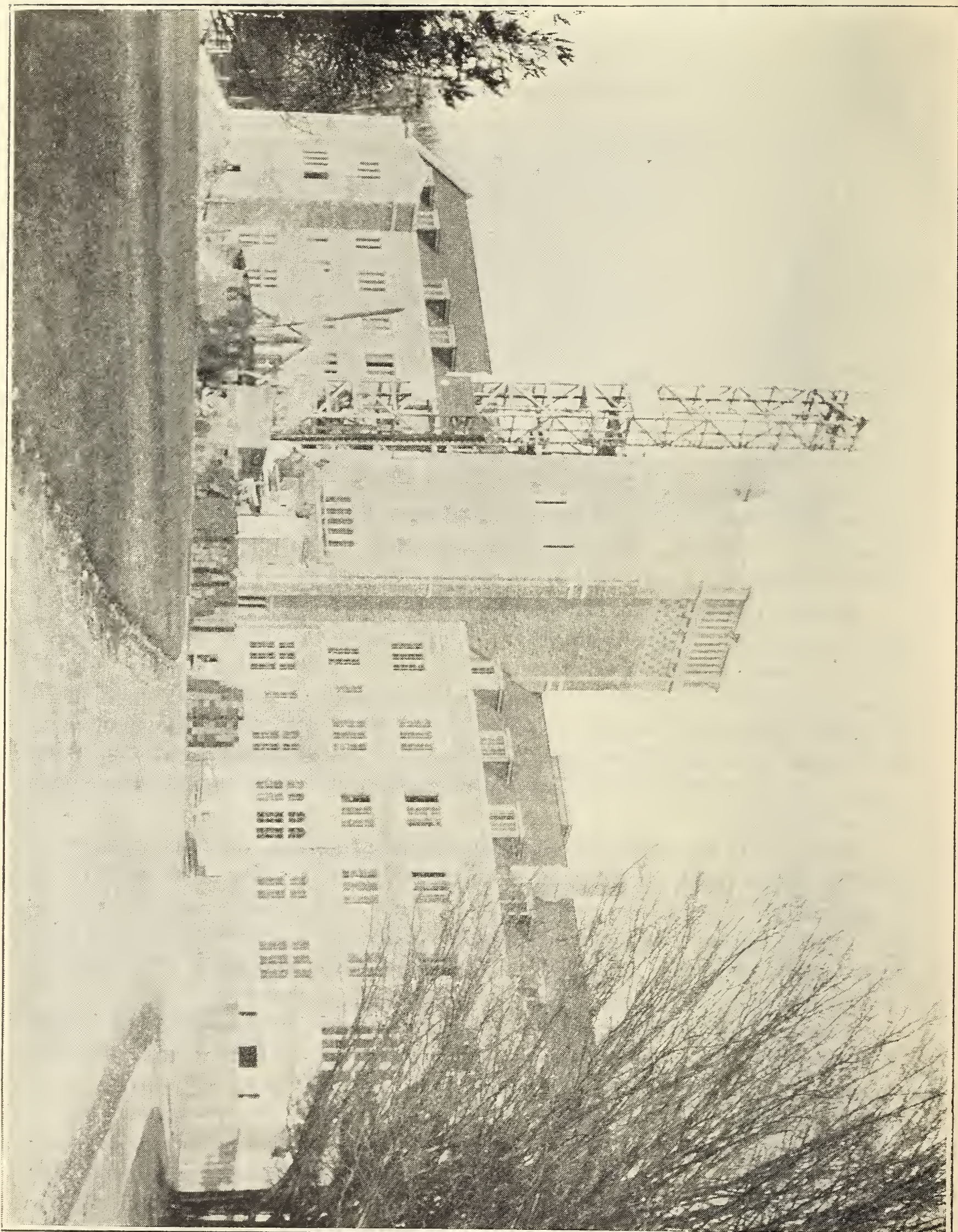
IT IS improbable that any visitors drop into an Agricultural College with a better opportunity for seeing the animal husbandry division of the institution in its working clothes, than does the Fourth Year Stock Judging Team on its annual tour of neighbouring State Colleges in preparation for the International Live Stock Exposition at Chicago. The team has the unique privilege of dropping into a routine of live stock work at the College being visited, going over their live stock, picking up pointers on their buildings and equipment, and next day moving on.

A day was spent at Michigan State College at East Lansing, and a real workout, particularly on horses, was carried through. This College is undergoing a period of rapid development, especially on the agricultural side of the campus. During the past year they have erected an almost complete new set of farm buildings. These buildings, incidentally, show sound judgment from a College standpoint. They are plain, utilitarian and complete. They are particularly designed to take care of research needs and are a credit to any experimental station. The Michigan live stock is particularly strong in the horse division and ranks well in its sheep and commercial cattle departments.

Purdue University at LaFayette, Indiana, was also the scene of a good day's coaching. Teams from other Colleges were getting in and it was certainly a cosmopolitan crowd that worked side by side on the classes. If Ontario teams were to exploit a national garb as some of the State teams do, it is questionable what that costume would be. The flashy Texans in white felt ten gallon hats, and Wyoming "Cowboys" in sheepskins, breeks and high boots, combined with the drawling Southerners to add more than a little colour to the gathering.

Purdue has an air of more advanced maturity than Michigan, but save possibly in the swine department, is not superior from a live stock standpoint. Incidentally it would seem that the day is past when Ontario Aggies will fear the American standards of swine judging. This year's team has returned with a profound respect for the progress United States is making in the direction of a stretchy, smooth, high legged heavy type of market hog.

University of Illinois for two days with a half-day devoted to each type of stock, this is one of the largest Universities in the States and from the standpoint of buildings and equipment, they are well up to their needs. The judging pavilion at this College would nicely house and accommodate the judging and spectators of the Ontario Provincial Winter Fair with some space to spare. The animal husbandry equipment includes a grain elevator and mixer complete. It is, however, not greatly to the degradation of their Animal Husbandry Department to say that the gate from a capacity crowd in their football stadium, the second largest in America, would buy out the entire stock, and leave sufficient to purchase several complete new herds.



THE NEW ADMINISTRATION BUILDING AND STUDENTS' RESIDENCE

Province of Ontario Picture

The Voice of the Departments

Bacteriology Department

ANOTHER CLEAN-UP IN ONTARIO

Day after day as you pass the Bacteriology Building you may see a number of small wooden boxes being carried inside. If you happened to see the labels on these boxes you would find that they came from far and near points in Ontario—some even from Sudbury, Rainy River or Cochrane.

The contents of these beaver board lined boxes are small glass tubes, each containing one cubic centimeter of the blood of a chicken. These have been carefully obtained by O.A.C. graduates, under the direction of the Poultry Department, and sent by express to the laboratory as soon as possible after being taken from the chickens. They are given into the charge of E. H. Garrard, a '26 graduate, under whose able direction Prof. D. H. Jones has put this phase of the work. Mr. Garrard and his assistants find that they have all the work for which they could wish in the 1,000 to 4,000 tests per day which these incoming blood samples necessitate.

Immediately upon arrival, these tubes are placed in numbered racks, uncorked, and the serum allowed to collect. A certain amount of the serum is placed into corresponding tubes containing a definite volume of a testing emulsion and incubated at 37° C. After 24 hours they are read and the reactors recorded. A positive reaction means that the bird, from which the blood was drawn, is infected with that disease dreaded by all poultry men—Bacillary White Diarrhoea!

This routine test was started by the Bacteriology Department in the fall of 1928, at the request of the Department of Agriculture, in a general attempt to establish in Ontario flocks of chickens free from this disease which proves fatal to so many young chicks. The value of the test may be seen from the fact that already a considerable number of flocks show a clean test (i.e., have no reactors); its popularity with the poultry growers, by the increasing number of tests each year—1928, 15,000; 1929, 90,000; and 180,000 expected in 1930.

The test is done for those poultry growers of Ontario who have joined Ontario Poultry Breeding Stations. By the rules of the Association, each member, on receipt of the report stating the numbers of reactors, must get rid of the diseased birds and send the bands from the same to the Poultry Department, O.A.C., as assurance that reacting birds are no longer in his flock. Violation of this rule automatically causes withdrawal from the Association. Eggs from non-reacting birds may be incubated and the chicks sold as blood tested stock.

Chemistry Department

ONTARIO'S SOIL IMPROVEMENT PROGRAMME

The systematic study of a project demands a special programme. The Department of Chemistry of the Ontario Agricultural College has outlined a programme for the study and improvement of the soils within the Province. A county soil improvement plan was organized in the spring of 1929 which gave the Agricultural Representatives an opportunity to outline and conduct a soil improvement programme so adapted to the needs of their particular county.

In order to further assist this work the Eastern Canada Fertilizer Association offered a prize to the Agricultural Representatives who submitted the best soil improvement programme based on the requirements and conditions of his own particular county. The prize consisted this year of a free trip to the American Society of Agronomy meeting held in Washington, D.C., November 19 to 21, the winner being a guest of the National Fertilizers Association of Washington, D.C. While there the winner was able to meet winners of similar contests from all States of the Union, study their programmes and discuss soil improvement plans.

This soil improvement programme has been under way in United States for the last ten years and the idea was introduced into Ontario by Dr. G. I. Christie, and since the spring of 1929 has been under way in Ontario. Mr. N. J. Thomas, M.Sc., of the Department of Chemistry, is supervising the programme.

In 1929 the contest was won by Mr. H. L. Trueman, Agricultural Representative of Grenville County.

In 1930 the judges, Dr. G. I. Christie, Dr. R. Harcourt, and Prof. J. C. Steckley, awarded the prize to Mr. A. G. Skinner, Agricultural Representative of Haldimand County. Mr. A. G. Skinner was presented with a Diploma and a Gold Medal at Washington, D.C., in recognition of his winning the contest.

Mr. R. H. Clemens, of Wellington County, won second place and it was decided that he get a trip to Washington because of the close placing between the two men.

Mr. A. G. Skinner's soil improvement programme covers a period of four years and commences with a lime requirement survey of the county. This survey was accomplished through the co-operation of the Agricultural Development Branch of the County Council, Junior Farmers and High School students taking Agriculture. The results of the survey showed that eighty-five per cent. of soils tested were slightly to strongly acid. After these results were at hand thirty lime demonstration plots were laid down this autumn.

The lime requirement survey is only a part of the programme, as later there will be a lime selling campaign in the county. This is to educate the farmer to use more lime when it is needed and thereby improve the physical condition of the soil so that some clover will be grown which in turn will enable the farmers of Haldimand County to grow better crops.

Dairy Department

By H. A. Smallfield, M.S.

Ice Cream Manufacturers who also make water-ices and sherbets sometimes have trouble with a defect which shows up after the product has been in the hardening room for a few days, or after the product is in the dealer's cabinets. This defect is commonly known as "crust formation". The defect first appears as small, hard, whitish spots on the exposed surface of the product. These spots grow in size until the entire surface may become covered, and the crust extend a quarter of an inch, or more, into the body of the product. The defect is due to crystallization of the sucrose. Dahlberg, of the New York Experiment Station, found that by substituting part of the sucrose commonly used to sweeten water ices and sherbets, with cerelese, (highly refined corn sugar) that the trouble could be almost entirely prevented.

Any invert sugar would have the same action, so the Dairy Department undertook an investigation of the possibility of using honey in combination with the sucrose. The following points were investigated: The effect of substituting part of the sucrose with honey on the crystallization of the sucrose; the quantity of honey that could be used; grade of honey that could be used; the effect of honey on the cost of the mixture; and whether the honey would blend with various flavours that might be used in flavouring these products.

The following conclusions were arrived at as the result of these investigations:

"Honey can be satisfactorily used to prevent crust formation on the exposed surface of water-ices and sherbets. Proportions of 22% sucrose and 8% honey gave the most desirable results in the work reported. Honey lower in grade than golden imparts a strong flavour to the product that is not desirable. Golden grade of honey proved very satisfactory in these trials. Honey was found to blend satisfactorily with various flavours that might be used in water-ices.

"Where whole milk is used in a sherbet mix the use of honey is not advisable as the milk and honey do not blend very well. Where ice cream mix was used in a sherbet mix the defect in flavour noticeable where whole milk was used did not appear. The use of honey increases the cost of the mixture slightly."

Biology Department

In modern days injustice is not an uncommon thing. Even though we have reached a high standard of efficiency it is humanly impossible to avoid making some mistake. Some of these mistakes result in the pinning of a crime on an innocent person or object while the real criminal is allowed to go free. Not only are mistakes of this sort made in our law courts, but also in many of the walks of life. The following is an instance illustrating this fact.

A certain large Ontario floral concern had a number of bulbous iris which were not thriving as they should. As these iris represented a considerable amount of money an appeal was made to the Botany and Entomology Departments of the College. The blame was laid by the firm on a fungus disease or insect pest. Careful examination showed that there was no fungus or insect injury and that the cause of the trouble had been entirely misplaced. The next step was to find the real cause.

A sample of the soil was taken and on chemical analysis it showed a higher alkalinity than iris can thrive in. Tracing back farther the origin of the soil was sought. It was found that this soil was a mixture of compost and manure and had been left standing for three months before using and that bone flour had been used whereas previously bone meal had been used. The same quantity of bone flour had been used but due to its fineness it was much more readily available than the bone meal and the result was the high alkalinity.

This is an example of a mistake frequently made. When an unthrifty condition in plants occurs the blame is laid on a disease or an insect, and quite often it is due to unfavourable soil, moisture and atmospheric conditions.

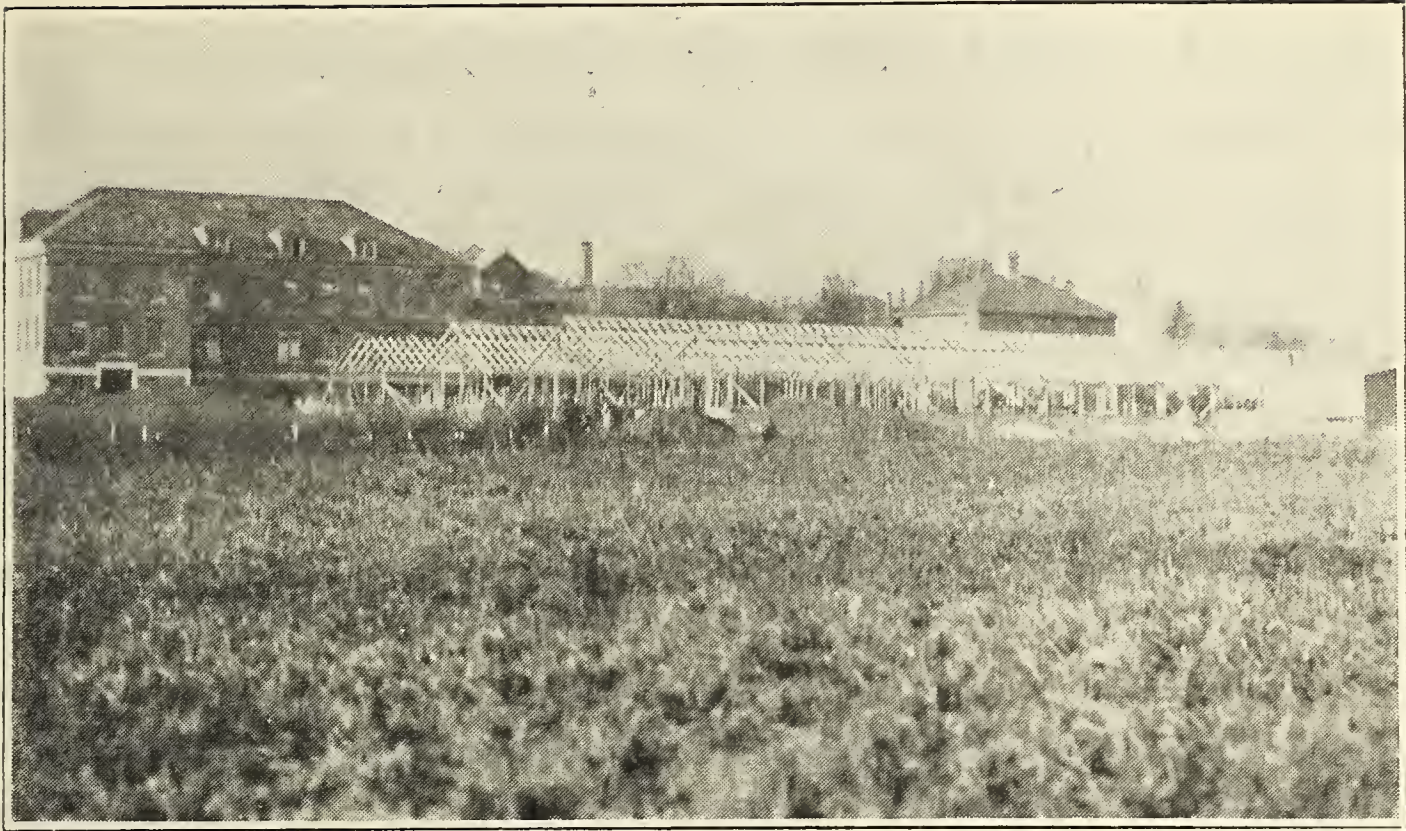
Horticultural Department

O.A.C. GREENHOUSES

The Horticultural Department is adding to its equipment this winter, for student and experimental work, a greenhouse range being constructed at a cost of \$75,000.

This range lies back of the new Horticultural Building, and the angle of the houses is northeast by southwest. The plan calls for a students' display house to be situated at the head of the system. This display house has a high curved roof and the floor is tiled, the entrance is 15 feet wide and the house itself is 40 feet by 40 feet. Leading from the rear of this will be a central connecting passage made up of three houses, and connecting at the opposite end with a one-storied seven room brick service house. At present only one side of the range is under construction, but the passage way is being so built that when the necessity for more space occurs, as it eventually will, the other half of the houses can be attached.

The side now under way consists of seven one hundred foot houses. These houses vary in width, the first, viewing the range from the display house, is forty feet wide, the next two thirty-five and thirty respectively, the next three are twenty-two, and the last one only sixteen feet wide. Each house, with the exception of the third twenty-two foot one, is divided into two rooms with separate heating systems for each, making it possible to take care of two crops requiring different temperatures in the same house. The third twenty-two foot house has three rooms, and an alleyway running along one side with doors entering into each of the three parts. This arrangement makes it pos-



Province of Ontario Picture

**NEW GREENHOUSES UNDER CONSTRUCTION, WITH NEW
HORTICULTURAL BUILDING IN BACKGROUND**

sible to maintain a constant temperature in any one of the three rooms, and it is proposed to use these for experimental work in plant pathology and physiology. This brings the total number of houses up to nineteen with the facilities at hand for an added fifteen.

This project has been made possible and promoted by Dr. G. I. Christie and Professor A. H. MacLennan, who have realized the present and future need for such modern equipment.

Poultry Department News

Three years ago the Department of Agriculture decided upon the plan of locating a number of breeding stations of any pure breed of poultry in the different Counties within the Province, the idea being to have **reasonably good** stock from which the people of the Province could purchase baby chicks or hatching eggs. Every bird was inspected and, if approved, was banded. Every bird banded is blood-tested for pullorum disease, and all reactors and culls removed from the farms. This year there are over five hundred flocks in which there are more than two hundred thousand birds. At present there are twelve men, who are College graduates, inspecting, drawing samples of blood, etc. It is a high pressure job because the work must be completed before the hatching season begins or, at the latest, by February 1st, 1931. Five hundred samples of blood are sent to the Veterinary College daily, and the balance to the Bacteriological Department of the O.A.C.

There are flocks in the country from the far North to the Manitoba boundary; also East, West and Centre. One real difficulty is to locate enough really good males because most of the breeders are very particular as to males, males do not grow in bunches like bananas.

Field Husbandry Department

The Ontario Agricultural and Experimental Union will hold its fifty-second Annual Meeting at the Ontario Agricultural College on January the 6th and 7th.

The principal topics to be discussed at the Annual Meeting this year will be: Lowering the Cost of Production, Lessening Costs in Production by the Use of Machinery, Some Marketing Problems, Some Problems in Corn Borer Control, The Utilization of Home Grown Feeds, A County Soil Improvement Programme, The Results of Co-operative Experiments in Field Crops, Results of Fertilizers on Pasture Mixtures and on Other Crops, and Methods in Weed Control.

In addition to the directors of the different committees on co-operative experiments and other members of the College staff it is expected that the following speakers will take part in the programme: D. Z. Gibson, Caledonia; J. Gale, Guelph; James Bowman, Guelph; Hon. Thomas Kennedy, Minister of Agriculture for Ontario; President R. S. Shaw, Michigan State College, East Lansing, Michigan; Professor W. R. Myers, Cornell University, Ithaca, New York; Professor L. C. Heimpel, Macdonald College, Quebec; Dr. G. I. Christie, President of the Ontario Agricultural College; Principal W. J. Bell, of the Agricultural School, Kemptville; W. R. Reek, Superintendent of the Western Ontario Experiment Station at Ridgetown; J. A. Carroll, Director of Crops Co-operation and Markets Branch, Toronto; and Gordon Skinner, Agricultural Representative, Cayuga, Ontario.

Physics Department

It is doubtful whether the average person realizes the full extent that nature plays in our everyday life, in helping to make this world a more congenial place to live in.

It is not necessary to be a trained engineer in order that we may harness nature for our own benefit.

There is the case of a farmer who, by taking advantage of the simple fact that water runs down hill, has succeeded in providing his cattle with a drinking place for all the year around. This farmer had a spring which was situated in a rather inaccessible position, so he made a cement collecting basin and ran a pipe from this to another basin in a nearby field, a distance of 1,800 feet, placing the pipe just below the freezing depth of the soil.

At first he had considered running the water overland, but decided that the supply of water would not be sufficient and would evaporate before it arrived at its destination.

However, with a little thought, the comparatively small expense of a couple of cement basins and 1,800 feet of one-inch pipe, he was able to obtain a supply of water at the rate of about a gallon a minute.

Another farmer, who also remembered that gravitation is one of the essential laws of nature, had a spring in one field and decided that a water supply in another field would be a great convenience to him.

But there was quite a valley between these two fields and when this farmer proceeded to lay a pipe from his spring down one side of the valley and up the other side, he was the joke of the neighbours; they had neglected to consider that water will seek its own level.

This farmer, by taking advantage of this law and running his pipe up the side of the hill to within three or four feet of the level of the source of supply, harnessed nature to do his work for him, and so obtained a continuous supply of water where he desired it.

Apiculture Department

The seasonal activities of members of the Apiculture Department vary with the season. The honey bee is unlike all other farm stock, in that the bees are more or less inactive from November until the fine, warmer days of March. There is no work with the colonies after they are packed in October until the bees are examined again in April. During the winter months the County Beekeepers' Associations hold their annual winter meetings and members of this Department are usually present to discuss some phase of apiary management.

During the winter months opportunity is found to summarize the work of the more than one hundred apiary inspectors during the past season. Plans are devised for the coming season's inspection work.

Summarizing the returns from registered beekeepers and the arranging of the data secured takes considerable time. By means of these summaries the Department is enabled to judge quite accurately as to the numbers of colonies and the honey crop in the various counties of the Province as a whole.



The Philharmonic Society Presents "And So To Bed"

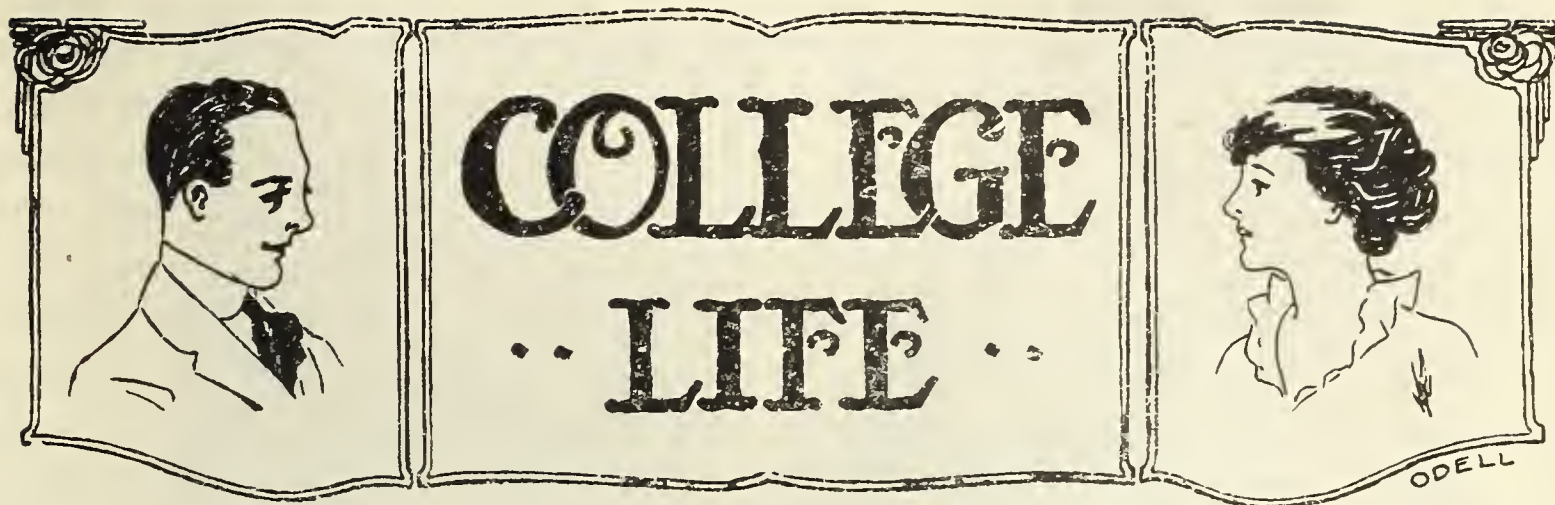
THOSE who took advantage of their opportunity to see "And So To Bed", T. B. Fagan's dramatization of Samuel Pepys, at Memorial Hall on Friday evening, November 28th, were treated to a most entertaining evening. They were privileged to see Pepys and some of the characters of his diary carrying on in exactly the way they actually did in the seventeenth century. Pepys quarrelled with his wife, made up again, flirted with the maids, with actresses, and with singing women, and quarrelled with Pelham Humphrey over matters musical. King Charles the Second, looking very royal and handsome, went to call on Mistress Knight, and made love to Mrs. Pepys. Everyone was picturesquely profane and used odd language which the audience at first found hard to understand. The play was beautifully written, excellently staged, and well acted.

The players are to be congratulated on preserving the seventeenth century atmosphere so well during the entire performance. Samuel Pepys (F. W. T. Lucas) and Mrs. Pepys (Frances Ryerson) were both well played; Pepys doing slightly better in the first and third acts, but not being quite as convincing as he might when making love to Mistress Knight (Mary-Louise Ellenby) in the second act. Miss Ellenby gave a good interpretation of her part, but her acting was not quite as finished as that of Miss Ryerson. Charles II. was well portrayed by E. N. Needham, who, considering that it was his first appearance on any stage, did excellently. The part of Mistress Pierce, "the painted hussy", was very well taken by Philippa Thompson, who has had Hart House experience. Dorothy Pugh, as Babs Krepp, gave a satisfactory performance in smaller role.

In a fairly strong supporting cast, Miss G. Feirheller, as Lettice, Mrs. Pepys' maid, stood out. Prodgers, Groom of the Bed Chamber (J. Beauchamp) took the fancy of the audience; Beauchamp was also good as Caesar, the Lutanist. For the rest of the cast, the men were somewhat stronger than the women.

The incidental music ranged from medium to very good, the best piece being "Beauty Retire," the music for which was actually composed by Samuel Pepys. Dorothy Pugh, who was the soloist as well as playing the part of Babs Knapp, sang the songs well, but seemed to miss the spirit of "Marry Me Now".

The settings, particularly the one in Act Two, were very good, and the stage crew did their work very efficiently, the two shifts taking only eight and eleven minutes respectively, which is considerably less than the average time taken on the professional stage.



There has been no lack of social life around the College this term and, from reports, an equally high class program is mapped out for the Spring Term.

Examinations are the next item, but this unpleasant recreation will be well recompensed by the Christmas festivals. New Year will see everyone trooping back and things should hum for a while.

As a rule there is plenty of opportunity for enthusiasts of snow sports to participate all they desire and this year there is talk of organizing a ski-club. This should be popular for it was not uncommon last year to see as many as twenty ski enthusiasts on the hill at one time. It is understood that the weeds on the side of the hill are going to be cut and that the rock pile at the N.E. end is to be removed, which will make plain sailing and improve the course considerably.

FINAL DEBATE

The final debate between the Senior and Sophomore Years had as the subject, "Resolved, that corporation farming is in the best interests of agriculture." J. A. Pawley and E. A. Banting, Sophomores, upheld the affirmative, while H. Hull and G. M. Engel, Seniors, spoke for the negative. The debate went to the Seniors.

A new idea which has been originated this year and which has proved very

successful, is that of having a discussion after the debate, during the period that the judges have withdrawn to make their decision.

This discussion is carried on by the audience and some very interesting ideas, and opinions were brought for fierce but friendly argument, during the course of these impromptu speeches.

THE BARN DANCE

The Ag. Option, commonly known as "The Millionaires Option" or the "Shirt Sleeve Option", had their big night, when they put on a barn dance which was well above the average.

The gymnasium was artistically decorated with large amounts of hay and straw, which was well scattered around before the evening was over, and the cause of several good humored tussles, the partakers of which carried home large quantities of chaff and hayseed in their hair, ears and clothes.

In order to get into this "Hall of the Light Fantastic" it was necessary to crawl through a dark, narrow tunnel in an improvised hay mow, out of which one emerged in front of a particularly efficient fanning mill engaged in the task of separating the wheat from the chaff.

The dust raised looked like a miniature sand storm and blizzard combined.

CLUB NEWS

At the organization meeting of the Agronomy Club the idea of students exhibiting grain at the World Grain Show was brought forward and discussed. Nothing definite resulted, but the suggestion should receive considerable thought, for it would be excellent experience for members and the Agronomy Club could be a great help in demonstrating the best methods of preparing the samples for exhibit.

On Wednesday, November 12th, E. M. MacKey, who graduated in Field Husbandry with Year '29, gave a very interesting address on the work which was being carried on at the fibre division of the Central Experimental Farm, Ottawa. In his address he especially outlined the work of the fibre division in relation to flax and hemp fibre production in Canada and Ontario for the use of linen and twine mills. Mr. MacKey stated that Canadian grown flax fibre made just as good cloth as Irish fibre and he saw no reason why Canada could not grow enough fibre to supply the spinning mills and factories producing the finished linen and twine products.

The Dairy Club is having some very good meetings with an excellent increase in the number of members. It is strongly suspected that the great attraction is the ice cream which is served very liberally at each meeting.

A combined meeting of the Dairy and Poultry Clubs was held on November 19th, for the purpose of hearing an address by Mr. Wiggins, B.S.A., who is head of the Poultry Division of the Canadian Packers Ltd.

In his address entitled "Buying of Farm Produce," Mr. Wiggins stated

that with the introduction of grades and grading of cream and eggs the quality of these products showed a marked improvement. Methods of collection and distribution of these products have changed. Now there are grading stations all over the country which go to make a uniform product, while the educational methods used give the consumer great confidence in these commodities. Mr. Wiggins advised the combination of creamery and egg business where the creamery involved could collect eggs two or three times a week and did not have to increase the staff too much to do this extra work. Mr. Wiggins pointed out the following disadvantages of combining the creamery and egg business: Firstly—On the farm when the truck driver calls to collect cream and eggs, invariably the eggs are not crated and this waste in time means that the cream is standing out in the sun just so much longer.

Secondly—The water and steam in the creamery is hard on eggs.

Thirdly—The height of production of cream and eggs both coincide, thus one or other or perhaps both are neglected.

At the second judging competition of the Horticultural Society, M. Maclin, '33, and Haight, '34, tied for first place with a score of 255 out of 300. Fifteen classes of flowers were on exhibit and included such varieties as Chrysanthemums, Roses, Carnations, Primulas, Jerusalem Cherries, Screw Pines, and Ferns.

This competition was doubly important because in it were included two classes of Roses, and the points awarded for the placing of these went towards the winning of the prizes offered by the Rose Society of Ontario.



Province of Ontario Picture

The above photograph shows the new pavement running northeast along the College Lane between the Field Husbandry and new Horticulture Buildings. This road building programme has been authorized by the Minister of Agriculture and Dr. Christie intends to have the remainder of the drives surfaced at the earliest date possible.



Judging at Chicago

Ontario Teams Make Respectable Showing

The O. A. C. team competing in the International Livestock Judging Competition at Chicago this year stood fifteenth in a field of twenty-three. The team were well up in the Horse and Beef Cattle judging but were somewhat upset in the Sheep and Swine divisions. The team was composed of: H. J. Watt, H. W. Goble, C. A. Innes and H. P. Aitchison with T. H. Galbraith as alternate.

In the Intercollegiate Meats Judging competition a strong showing was made by the O. A. C. team in its first try at this contest. The team stood fifth with R. H. Graham ranking ninth in the individual score. J. K. Galbraith was third in beef and "Dick" Graham fourth. Spike was also sixth in pork judging and Dick ranked eighth in mutton. The team was composed of: R. H. Graham, J. K. Galbraith, E. A. Innes with Joe Watt as alternate.

W. E. ARBUTHNOT WINS ANNUAL PHILHARMONIC AWARD

Between the second and third acts of 'And So To Bed', on Friday, November 28th, Prof. W. C. Blackwood, as Honorary President of the Philharmonic Society, presented the Annual Philharmonic Award to W. E. Arbuthnot for his services as stage manager during the season 1929-30. The award is given to the regular member whose services have been most valuable to the Society during the College year. This is the first time the award has been made.

MR. TICE, '19, FIELD CROPS COM-MISSIONER OF B.C., SPEAKS TO AGRONOMY CLUB, FRIDAY EVEN-ING, NOVEMBER 28

"Learn to observe things" and "Do not expect your College course to teach you everything but regard it as a foundation", were two points of advice given by Mr. Tice from the standpoint of an O.A.C. graduate. He also told us to remember that although the principles taught at the O.A.C. apply generally to agriculture throughout the Dominion, the details must be modified considerably to prove practical in other Provinces but Ontario. Mr. Tice elaborated this statement by comparing agricultural conditions in British Columbia and Ontario, dealing first with soil, climate, and rainfall, then the different types of farming. "British Columbia is not a grain growing Province," he said, "but we have one industry, namely seed growing, which is developing rapidly and in view of the large amount of seed importation at the present time will soon be of economic importance."

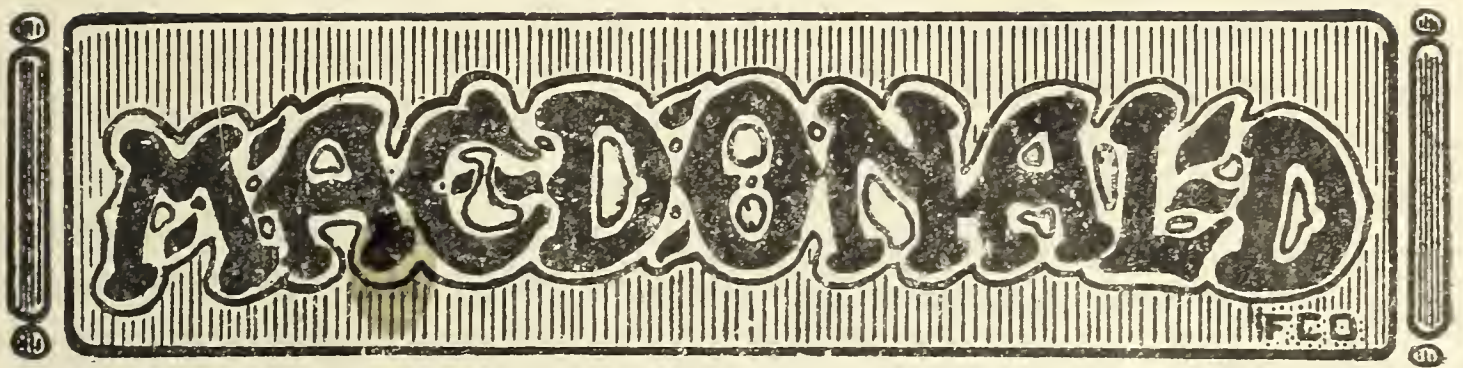
The review of field crop conditions, the development of which Mr. Tice's work, was exceedingly interesting. Four experimental farm situated respectively in Lower Vancouver, small fruits farm; Fraser Valley at Agassiz, mixed farming with Holstein herd; Okanagan Valley, fruit and vegetables

and a Jersey herd; and Kamloops at Invermere, specializing field crops and an Ayrshire herd, are doing valuable work for the B.C. farmer. Standing field crop, and clean seed competitions create interest in the Province-wide drive to keep out noxious weeds. The Peace River district, as yet free from weed pests, is being guarded jealously against this menace by Government assistance, particularly in the installation of power seed-cleaning apparatus.

Professor Squirrell, in a few words, expressed his appreciation of Mr. Tice's talk and told the meeting a little more of Mr. Tice's efforts to advertise B.C. noticeable by the prominence of B.C. exhibits and standings at the larger grain shows in the past few years.

THE STONE AGE

A youth and a maid sat alone, quite alone;
Each thought of a stone, just a stone.
He thought of the stone that them would mate,
She thought of the stone increased in her weight;
And when he said, "Darling, you're simply great,"
She left him alone, quite alone.



POEM

We're children of the country side, the
 city and the sea
 We come from North, & South, & East
 and West to O. A. C.
 We hail the British flag as ours all loyal
 subjects we.

 We study all the useful arts, the culture
 of the bee
 To plough and sow, and till the soil—
 to cut the forest tree
 With fruits and flowers and animals we
 shall familiar be.

 We learn to use the best on earth to
 feed the human race
 We learn to bake, preserve, and sew,
 and to do it all with grace.
 To nurse the sick, enrich our life, make
 earth a happier place.

 We do not lack for lots of fun—for all
 you know must play
 We hike and swim, and shoot and sin
 —attend the Gym each day
 The hours seem too short at times for
 all our work and play.

 All honor, love and fealty then we'll
 render O. A. C.
 The friendships made will form a chair,
 to every land and sea
 O'er all the world, at home, abroad
 wherever we may be.

SENIOR ASSOCIATE TEA

The yearly ritual of entertaining the
 Junior associates was duly carried out
 Wednesday, Nov. 5. The College Cafet-
 eria was the scene of this delightful little
 tea provided by the Senior associate
 groups. Miss M. Waddell, president,
 Miss M. McMullin, Miss H. Taylor, re-
 ceived the many guests. Miss L. Kay
 and Mrs. Fuller poured tea, ably assisted
 by members of the Senior year.

During the serving of lunch a delight-
 ful musical programme was provided.

We were very pleased to have among
 our guests those members of the Mac-
 donald Institute Faculty: Miss Shank,
 Miss Clark, Miss Hassard, Miss Riddle,
 Miss Cody.

EX-HOUSE PRESIDENT VISITS MAC

An event of more than usual interest
 and pleasure to Seniors and Juniors alike,
 was the week-end visit of our ex-house
 president, Helen Bates, who is attending
 Varsity this year.

On Sunday afternoon a tea was held
 in the Common Room in honor of
 Helen, at which the members of the
 staff and students' body were present.
 The tea-table was presided over by Mrs.
 Fuller in her usual gracious manner.

The Seniors were delighted to wel-
 come Helen back and the Juniors equally
 happy to meet her.

MASQUERADE DANCE

One of the most enjoyable dances of season was held in Mac Hall, Friday, Nov. 21, 1930, under the auspices of the I. O. D. E., whose purpose it was to raise funds to assist in the University Education of War Veterans' children.

The music was furnished by "The Melody Boys" orchestra. About eight o'clock many and varied were the costumes appearing in the common room which was artistically decorated with ferns and mums and made cozy with many cushioned corners.

The costumes prizes were awarded to Miss Dorothy Keith representing Bohemia and Ernest Kendall as a native of China.

We were delighted to have Miss Cruickshank, Miss Cody, Miss Hassard and Prof. and Mrs. MacLean present and of course, our House Mother, Mrs. Fuller.

THE DANCE OF THE "LOLLY-POP"

How curious we all were when it was rumoured that the austere Students' Council were contemplating throwing a pyjama party.

And how surprised we all were when orders were actually issued to report in the Common Room on Sat. evening, Nov. 15, at 10 o'clock sharp, in our pyjamas.. After that it was not long before our insatiable curiosity was satisfied and we were dancing to the strains of the latest fox trots. Juniors with Seniors accompanied by lolly pops.

When you came to the end of your
lolly pop
And you've nothing left but the stick
And your heart goes down with a sink-
ing thud
For you've nothing left to lick.

When you think what the end of a lolly
pop

Can mean to a tired tongue
And you think of the others in the shop
And you wish that you had one.

As the lollipop came to an end so
also at 10.45 did the party but not before
the bond between juniors and seniors had
been considerably strengthened by their
pleasant evening.

KATIE KO-ED

There was a young student at Mac
Whose mother said, "Don't you come
back

Until you can bake
A presentable cake
And turn it out right on a rack.

Don't come to your home any more
Until you can polish a floor
From silk take a stain
Of rust or of rain
And tell us why sore throats are sore.

You can stay at your College of Ag.
Until all your clothes cease to sag.
Until you can do
A washing or two
And make a dress out of a rag.

I haven't the patience to train
And tell you again and again,
So I send you to College
To pick up the knowledge
I've attempted to drive in,—in vain."

Mac Hallites, it's now up to you
To follow this Limerick through.
Of her stay at the Hall,
And what came of it all,—
Come on! Let's see what you can do.

*Watch for Katie's Kappers next
month.*

Mac Alumnae News

Correspondent—Grizzell Hart, 148 Dunvegan Rd., Toronto, Ont.

Four years ago I graduated from Mac. At that time, in order to carry on a decent conversation with any Mac crowd, all you needed to know was the latest campus chatter, the most effective time and method to go paddling on the Speed or a few original ideas on the all-important subject, "Man".

Four short years! Who could believe the stupendous changes? Do you know what is talked about at any Mac re-union now? There is only one subject of conversation—babies.

The first time I found myself in the midst of this situation is still very fresh in my memory. At the present moment I can think of no apt comparison to express my feeling of inadequacy at that time. So, I write this as a note of warning to all who have not yet experienced such an occasion.

To save might-be sufferers from such a fate may I suggest your only safe rule of conduct and a few things that it is essential to know.

The rule of conduct is an easy one to remember. You must listen. You must listen with unfeigned interest. You must be pleased when they tell you about Dorothy being rescued by the fireman after she had forgotten how to unlock the bathroom door. You must be very glad that Sonny did not fall off the porch roof when discovered by a neighbour perilously near the edge. The fact that Marybelle refuses to eat spinach should be of prime importance to you. Above all, if only for the benefit of the cod liver industry, you should cheer wee John who cries for Castor's Cod Liver Oil. Having done all this, at least half the battle is won.

The things you must know! Ah, there's the rub! This requires time,

literature and energy. Your first requisite is a modern knitting book. Children are no longer satisfied, it appears, with a plain garter stitch. No, indeed! They must have bunnies and chickens knitted on their sweaters. The knitting books will tell you how this is done and the number of stitches required. You may purchase these at any good "general store".

The second thing that you must be able to discuss intelligently is what to feed this child. You never dreamed, of course, that "at four weeks" one adds a dash of carrot to the cereal or a drop of tomato juice to the poached egg-yolk! Unfortunately it is true. I understand that Mrs. Rose is still feeding her family in the modern way. I would advise you to purchase her latest novel. If, throughout the winter months, you devoted one evening a week to the study of the baby diets by June you should be able to attend the Alumnae Re-union with a certain amount of security.

Once this knowledge has been acquired you really have done all you can. Unfortunately, an emergency often arises over which you have no control. I went, recently, to visit a Mac friend of mine. I had a feeling of great complacency. My listening attitude was at its best. I knew my knitting and my diets. I was just beginning to feel that babies were rather an interesting subject after all. Suddenly the topic of conversation varied and then turned a complete somersault. I faintly heard someone telling me of the difficulties of washing a husband's shirt! Only a drastic measure could save me now. The drastic measure was sent. Wee John took this moment to fall out of his high chair!

Year 'Thirty Reunion

The "Saturday of the Royal", November 22nd, saw several O. A. C. reunions in Toronto, not the least of which was the Year 'Thirty Reunion. Needless to say the first reunion of Year '30 had to be the best possible—only the Royal York Hotel filling the bill.

Twenty-seven graduates and others sat down to an evening of banquetting, business, stories, jokes, general amusement and good fellowship.

Many expressed their sincere pleasure at being present to revive old memories with former companions, and many tributes were paid to the year, especially by some who are members on the basis of common experiences in earlier years, if not by graduation. Our only regret was the absence of our Honorary President, Jerry Ruhnke.

Of special interest was the decision to purchase the bronze "The Land Clearer" by the French-Canadian artist and sculptor Suzor Cote, and present it to the College as a Year Memorial. This bronze is considered the second best of Suzor Cote's many works, and has the added distinction of being the last work by this great artist before paralysis overtook him. As a result there were very few cast and this is probably one of three or four on this continent. The strength and action of the bronze is evident and it is hoped that it will prove a stimulus to the students, as well as representing Year Thirty, who had the distinction of introducing several innovations to the campus; this being suggested by a man clearing land.

The following were present: S. R. Howe, President; K. E. Deacon, Treasurer; L. Bradley Pett, Secretary; P. W. Chepesiuk, A. N. S. Butler, H. W. Bryant, J. J. MacIlraith, W. M. Gammon, George Howell, R. H. Graham, W. G. Loveless, J. W. McCalla, D. Mackenzie, E. R. McClellan, M. W. Chepesiuk, H. Atkinson, A. V. Langton, W. T. Tym, M. P. Harrison, H. L. Fair, C. R. Smith, J. A. Adams, E. A. H. Banks, J. K. Crosbie, A. S. Mitchell.

"You are a Socialist, are you not?"

"No, sir."

"What made you change your mind?"

"I had some funds that I had earned lecturing on Socialism. Some of my fellow Socialists found it out and decided it was time to divide all around."



He—I'm groping for words.

She—You don't expect to find them around my neck, do you?

From Mac to the Diet Kitchen

Experiences of One of Our Recent Graduates

AUGUST 30—Arrived with my trunks at the address given and had some difficulty convincing the lady in charge that I was expected. However I was directed to the Diet Kitchen where the Head Dietitian made me welcome.

Spent the rest of the day meeting the other girls. Although the six pupil-dietitians are from various parts of the world, it is surprising the number of acquaintances we found.

We sat around on the bed in one room and talked about our schools, our friends, our holidays and our anticipations of pupil-work; and speculated on what the other new girl would be like. I, of course, was most vitally interested because I was to room with her.

When she arrived she proved to be just as charming as the other four, and a Frat-sister of my Mac room-mutt's cousin.

In the course of the evening we were initiated into the mysteries of constructing our caps, and making button-cuff-links, etc.; and our pleasurable anticipations of the morrow shattered by tales of kitchen temperatures of 102, of cantankerous maids, of precise dietitians, of long weary hours, and all the other unpleasant things that our provident friend Miss Cruikshank had led us to expect, and which we had half believed were not so. SEPT. 1—I was awakened at 6.30 by the pupil-dietitian on Cafeteria 6.30 duty. Although I hurried to get into my new white uniform I was almost late because that plagued little cap could not be persuaded to pin on. Take my advice, girls, and figure out before you come

some way of keeping them on, just so *you* won't have to resort to adhesive-tape the morning of your first day.

However the pupil who was to be "on" with me saw that I arrived on time; so with little thrills of dread I entered the Main Diet Kitchen.

"Hmmm—" said the Dietitian, "I think I'll put you on diabetics for a few days!"

"Yes." I responded vaguely, trying to recall all I ever knew about diabetic diets.

However what it really amounted to was that under the instruction of a nurse I matched up adhesive-tape labels on dishes of food with corresponding labels on trays, weighed out bananas for breakfast, (Oh, by the way, they don't scrape them here.)

Then I weighed out little gobs of butter according to a list and wrapped them in oiled paper.

That finished I was told to make diabetic lemon-snow for thirteen patients, given full instructions, and left to myself. The number of questions I asked was terrific, but the results were satisfactory.

Next I was told that the potatoes would "be up at eleven" and I could "do them". More questions revealed the fact that they were merely to be weighed into cosseroles, which was not so terrifying after all.

Then when the luncheon trays went out I carried the soupkettle around to the ward serving-rooms.

Finally we retired to the office to calculate diabetic diets. We work them en-

tirely in grams and according to the tables in a little book issued by the hospital.

At 1.00 we went off to lunch, and I must confess that I was watching that clock.

Fortunately it was Sunday so I had a p.m., in other words a half-holiday. When I returned to my room I found my room-mate already in bed. I soon crawled into my own (still unmade) and silence reigned until dinner time. Then a walk, half a letter written, and to bed once more.

SEPT. 2—This day was better. The same liquifying heat prevailed both inside the kitchen and without, but today I knew enough to go into the big refrigerator to whip cream, and a few similar tricks; besides which I felt more as if I was preparing diets, than merely mechanically weighing out foodstuffs.

The diet kitchen is well equipped and arranged. The Head Dietitian, her assistant and the other pupil—in this department are all charming and helpful; the three nurses who are in at present are most efficient, and delightful company. Altogether all goes well.

This being Labor Day most of us had the afternoon free. It is too hot to go out so those long-delayed letters have their chance.

OCT. 1—A hectic day in the Diet Kitchen!

This morning three new nurses came in to replace the experienced ones who reported for other duties. I spent the morning answering such questions as "How do you make scalloped potatoes?" "Can you tell me what I am supposed to be doing?" "Is this the right butter?" "Will you please show me how to make applesauce?" But when a nurse trotted

the full length of the Diet Kitchen with a piece of carrot on the end of a fork to ask me if it was cooked,—well, I just *had* to laugh.

Officially I had no particular diet in my charge today, but really, as general handyman I was most thoroughly busy. OCT. 22—Just another morning. So far I have creamed, chopped and sliced chicken for ward-orders, made salad, southern-corn pudding, stewed pears, cooked spaggetti, scraped beef, found and adjusted recipes, and made a great potful of Caramel Pudding—It's fun making big pots of things!

As an illustration of the type of diets to be done: Try to figure out three suitable meals for the following diets:

Hyperacidity without milk.

Fat-free Soft Solid.

Low-Residue High-Caloric without Milk.

'Try these over on your piano' some morning before breakfast!

Of course these are three of the most difficult of the special diets, but one student-dietitian or nurse sometimes has to plan all three between 7.00 and 8.00 a.m. and then have them prepared by 11.30 a.m.

NOV. 9—This month is an entire change from the rush and hurry of the Main Diet Kitchen.

I am now, officially, "in charge of the Special Nurses' Cafeteria," but as a matter of fact, owing to my extreme ignorance of the management of Cafeterias in general, and this one in particular, I am a wholly unnecessary figurehead and something of a nuisance.

My duties consist of: Arriving at 6.30 a.m. and standing by while meals are being served. Once in a while the even

(Continued on Page 190)



Changes in Graduate List December 5th 1930

Atkinson, H. L., '30—is Assistant Agricultural Representative at Clinton, Ont.

Bamforth, H. L., '28—is a Fertilizer Salesman with Gunn's Limited, Toronto. His address is 636 Wellington St., London, Ont.

Banbury, R. C., '29—is Agricultural Representative at Orangeville, Ont.

Banks, E. A. H., '30—is on the staff of the Horticultural Experimental Station, Vineland, Ont.

Barr, A. M., '30—is Agricultural Representative at Kemptville, Ont.

Beck, E. C., '28—is on the staff of the Bacteriology Department, University of Toronto, Toronto, Ont.

Beckett, R. S., '13—is a Salesman with the White Star Refining Co., 7 Gladstone Ave., Windsor, Ont.

Berry, J. A. B., '28—is Assistant Agricultural Representative at the Ontario Department of Agriculture, London, Ont.

Black, W. J., '02—is Director of Colonization, Agriculture and Natural Resources, Canadian National Railways, Montreal, P.Q.

Bosman, A. M., '12—is Dean of the Faculty of Agriculture and Professor of Animal Husbandry at the University of Pretoria, Pretoria, South Africa.

Boyce, H. R., '28—is engaged in Landscape Gardening work. His address is C-o Frederick Henry, 225 Locke St., Hamilton, Ont.

Butler, A. N. L., '30—is with the Horticultural Department, O.A.C., Guelph.

Cooke, H., '13—is farming at Thenissen, O.F.S., South Africa.

Cook, M. F., '19—is Agricultural Representative at New Liskeard, Ont.

Cory, A., '15—is engaged in advertising work in Windsor. His address is 729 Victoria Ave., Windsor, Ont.

Crews, K. W., '22—is Assistant Director, Fruit Branch, Parliament Buildings, Ottawa, Ont.

Culham, G. J., '13—is engaged in Landscape Architectural work in Toronto. His address is 82A Bloor St. W., Toronto.

Dixon, A., '29—is with the Apiculture Department, O.A.C., Guelph.

Douglas, A. G.—who took his Third

YEAR '32

PRESENTS THE



CONVERSAZIONE

JANUARY 30TH, 1931

EX-STUDENTS WISHING INVITATIONS SHOULD WRITE TO
R. H. KEITH, O.A.C.

Year last year, is Assistant Agricultural Representative at Woodstock, Ont.

Fraser, G. S., '21—is engaged in Chemical and Bacteriological work with the Acme Dairies, Napanee, Ont.

Garrity, J. H., '28—is with the Poultry Division of Jamesway Ltd., Weston, Ont.

Griesbach, L., '25—is Assistant Superintendent of the Dominion Experimental Station at Fredericton, N.B.

Hawkins, R. T., '26—is Agricultural Representative at St. Stephen, N.B.

Henry, C., '19—is an Agricultural Missionary at the Cauta M.E. Mission, via White Plains, Liberia, West Africa.

Howitt, M. H., '13—is with the New York State Park Commission, Babylon, L.I., N.Y., U.S.A.

Johnston, D. M., '08—is European Manager of the Departments of Colonization and Agriculture of the Canadian National Railways at 17 Cockspur St., London, S.W. 1, England.

Joubert, M. J. A., '09—is Chief Field Husbandry Officer, Division of Plant Industry, Union Buildings, Pretoria, South Africa.

Kay, W. J. B., '21—is teaching in the High School at Welland, Ont.

Kellough, J. Y., '25—is doing Extension work with the Coarse Grains Division of the Canadian Co-operative Wheat Producers, 1011 Royal Bank Building, Toronto.

Kennedy, A. H., '26—is with the Dominion Health of Animals Branch. He is located at New Liskeard, Ont.

Kennedy, P. B., '94—Deceased (January 18th, 1930.)

Kirstine, A. G., '25—is Agricultural Representative at Milton, Ont.

Leppan, H. D., '14—is Professor of Economics, Transvaal University College, Pretoria, South Africa.

Lemieux, O. A., '26—is with the Dominion Bureau of Statistics, Ottawa, Ont.

Lowell, V. C., '21—is Lecturer in English and Economics at the Agricultural School at Kemptville, Ont.

Mackenzie, A. W., '23—is Superintendent of Agriculture and Colonization, for the Canadian National Railways in Moncton, N.B.

Maistre, le, W. G., '26—is farming in Saskatchewan. His address is York Farm, Yorkton, Sask.

Misener, C. E., '28—is Supervisor for the Ottawa Valley Division of the London Life Assurance Co. His address is Arnprior, Ont.

McBeath, J. C., '18—is living at 173 Woolwich St., Guelph.

McFarlane, W. D., '25—is Assistant Professor of Biochemistry, University of Alberta, Edmonton, Alta.

McPherson, J. K., '30—is engaged in Landscape Work with A. H. Sharpe, Oakville, Ont.

McVannell, A. P., '07—is with the Dominion Live Stock Branch, Ottawa.

Nixon, W. G., '14—is Superintendent of the Ontario Government Demonstration Farm at New Liskeard, Ont.

Overholt, F. M., '18—is Acting Assistant to the Dominion Seed Commissioner, Dominion Seed Branch, Ottawa.

Parsons, F. S., '24—is Scientific Adviser for the Empire Cotton Growing Association, Barbarten, Transvaal, South Africa.

Romyn, A. E., '16—is Chief Live Stock Officer, Department of Agriculture, Salisbury, Southern Rhodesia, Africa.

Ross, F. A., '22—is Plant Manager for the Canadian Industries Ltd., Halifax, N.S.

Ross, M. N., '98—is a Landscape Architect in Arden, N.C., U.S.A.

Rutherford, W. J., '03—Deceased.

Scouten, W., '20—who took Special Work at the College this Fall, has returned to Wilton, Ont. He expects to be teaching again next year.

Shaw, A. M., '10—is Dean of Agriculture, University of Saskatchewan, Saskatoon, Sask.

Shoemaker, C. A., '24—is teaching in the High School at Scarboro, Ont.

Summers, E. A., '23—is Agricultural Representative at Port Hope, Ont.

Thompson, R. W., '28—is Assistant to the Provincial Entomologist, O.A.C., Guelph, Ont.

Undsworth, J. W., '21—is with the Heywood-Wakefield Co., Portland, Oregon, U.S.A.

Warren, W. H., '29—is Superintendent of Parks in Victoria, B.C. His address is 39 Cambridge St., Victoria, B.C.

Watt, M. A., '25—Department of Agriculture, Chatham, Ont. Acting Drainage Supervisor.

Waugh, R. F., '22—is living at 97 Lees St., Ottawa, Ont.

Werner, A. A., '23—is teaching in the Collegiate at Sault Ste. Marie, Ont.

Western, H. W., '22—is with the Jamesway Ltd., at Weston, Ont. He is in the Barn Equipment Division.

White, E. F., '95—Deceased, October 6th, 1930.

Wright, E. C. V., '28—is in the office of the Canadian Industries Ltd., Montreal, P.Q.

The following students are attending Ontario College of Education, Bloor St., Toronto:—**W. R. Robinson, '28; P. W. P. Smith, '22; H. M. Townsend, '29; G. Hull, '30.**

Obituary

ALLAN WILMOT

Allan Wilmot, 62, descendant of one of the leading political families of N.B., and first Superintendent of Immigration for the Province, died Sunday afternoon, August 3rd, at his home in Westfield, after a lengthy illness.

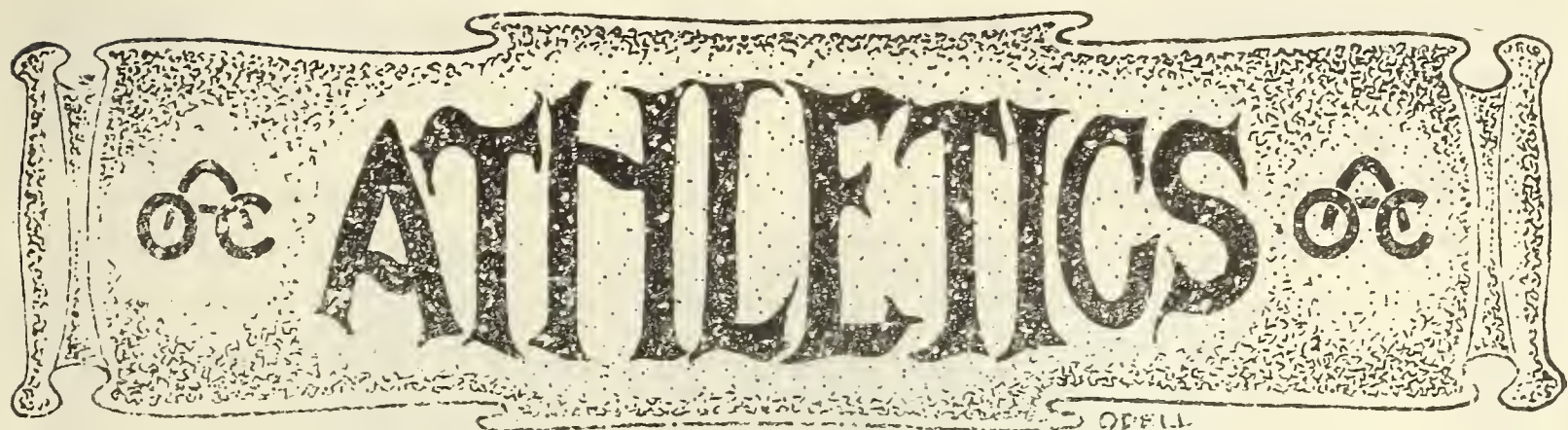
Mr. Wilmot was the son of R. D. Wilmot, who represented Sunbury-Queens in the House of Commons for many years. He was born on the Wilmot homestead at Lincoln and educated at the University of New Brunswick and the Ontario College of Agriculture. He farmed for some years on the homestead at Lincoln and later studied law, getting the degree of B.C.L. from King's College, Windsor, N.S. Under the Hazen administration, he was appointed first Superintendent of Immigration for New Brunswick, in 1909.

Later he joined the Dominion Immi-

gration Department, being appointed investigation officer for the Maritime Provinces. He retired two years ago. Mr. Wilmot was highly thought of both by the Department for which he worked and by the people with whom he came in contact through his duties.

He leaves to mourn one sister, Mrs. George Parke, of Montreal, at whose summer home in Westfield he died; two nephews, Gerald Parke, of Montreal, and Dr. Kenneth Parke, in Ohio, and two aunts, Mrs. A. Hubbard and Miss E. B. Wilmot, both of Burton. Charles P. Wilmot, who lives on part of the Wilmot homestead, and the Hubbard family, of Burton, are cousins of the deceased.

The funeral was held at Fredericton Wednesday afternoon with services in Christ Church Cathedral at 2.30, and interment in the Rural cemetery.



Rugby

A Review of the First Rugby Team and its Achievements—1930

By A. Weir, '32, Manager

The Rugby Team of 1930 is quoted as being the basis of the O.A.C. team that will be Dominion Champions in the near future. Though the team did not win their group, its members made up one of the finest spirited, hardest working squads that has ever represented the O.A.C.

The team scored two victories against Western and lost two games to McMaster.

The four Years of the College and the Vet. College were about equally represented and each and every individual played his best only to share alike their glories and defeats. There were five Freshman members of the squad. The team for next year will lose by graduation the following men:—

...Eckert, O.V.C.; Sheldon, Watt, Hull, Walker, Chepesiuk.

The following men composed the first squad, listed according to their numbers:—

1, "**Cap**" Eckert, O.V.C.—As quarterback with his heady playing steadied the team and filled them with the old fighting spirit. We are losing him

this year, and we wish him every success.

2, "**Smoothy**" Sheldon—Jim won his name by his capable and "smooth" playing while filling the right end position. He certainly worried the opposing backfields. He is another man who will be missed next year.

3, "**Angel Face**" Watt—Who has been since his Freshman Year one of O.A.C.'s most stalwart insides. When we lose him this year we lose one of the team's best supporters of O.A.C.'s fighting spirit.

4, "**Wildcat**" Gollehon, O.V.C.—The Nebraskan snapback has shown us that he has interference and kick blocking down to a science.

5, "**Sphinx**" Keith—Ended the season playing halfback after proving his ability as an all around man.

6, "**Chink**" Hull—Is another man to whom we bid farewell and wish good cheer and luck. after a season of fine work as first string kicker.

7, "**Portside**" Henry—Has won his spurs as a great middle in which position he gained many yards by his spectacular plunging.

8, "**Hank**" **Claus**—Is proving to be the dark horse to his brother's fine record.

9, "**Poker Face**" **Mills**—Hailing from St. Thomas' Dominion Champs, played like a real champion this year.

10, "**Abie**" **Folland**—Also of St. Thomas championship fame has shown that he revels in hard football.

11, "**Tub**" **Walker**—Showed his ability on the line and our only regret is that he did not play rugby through his entire College course. We wish him the best of luck.

12, "**Tuffy**" **Fitzgibbon**—Is what his name implies with lots to spare all wrapped up in good football tactics.

13, "**Hud**" **Hudson**—Proved to be a strong, steady relief man with plenty of fight.

14, "**Trailing Arbutus**" **Arbuthnot**—Did a fine piece of work in relieving Gollehan at snap and as a line relief man.

15, "**Pride of Bermuda**" **West**—Is becoming our pride as a stalwart rugby player.

16, "**Nosy**" **McIntyre**—Has shown us that he is in the making of a great right end judging by his great progress in this, his Freshman Year.

17, "**Noisy**" **McNeil**—Proved to be a great asset as a substitute kicker and backfield man.

18, "**Big Boy**" **Hales**—Played some wonderful games at his position on the line. We are counting on him next year.

19, "**Mun**" **Munroe**—Showed his ability by his continual appearance as a big threat in the eyes of opponents.

20, "**Pete**" **Chepesiuk**—We are also losing, as aforementioned, good old reliable Pete. His fine work and great spirit will be missed greatly when the squad works next fall.

Unsung and unmentioned is much of the work of trainers and water boys whose work is so essential to the success of a Rugby team. This year we owe our thanks and gratitude to Paul Pittis, Bud Cohoe, Ralph Totten, and Grant Anderson for their work "behind the scenes". There are many others to whom credit is due for their services and favours—too numerous to mention here.

(This article was supplied by "Machine Gun" Weir, probably the hardest working and most efficient manager any team ever had around this Institution. He also should receive congratulations for his herculean efforts.—Ed.)

The following is a summary of results:—

Exhibition Games

Old Boys at O.A.C., won, 14—13.

Kitchener Seniors at O.A.C., lost, 16—0

Kitchener Seniors at Kitchener, lost, 32—1.

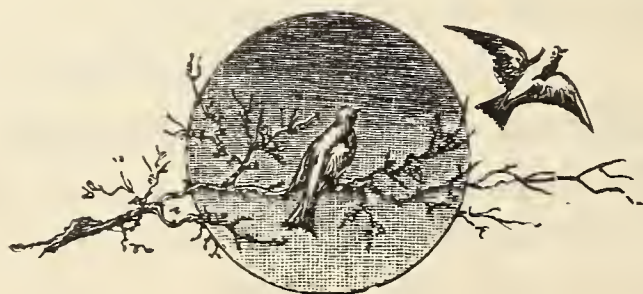
Intermediate Inter-Collegiate Series

Western at Western, won, 6—1.

Western at O.A.C., won, 19—2.

McMaster at O.A.C., lost, 19—8.

McMaster at McMaster, lost, 7—3.



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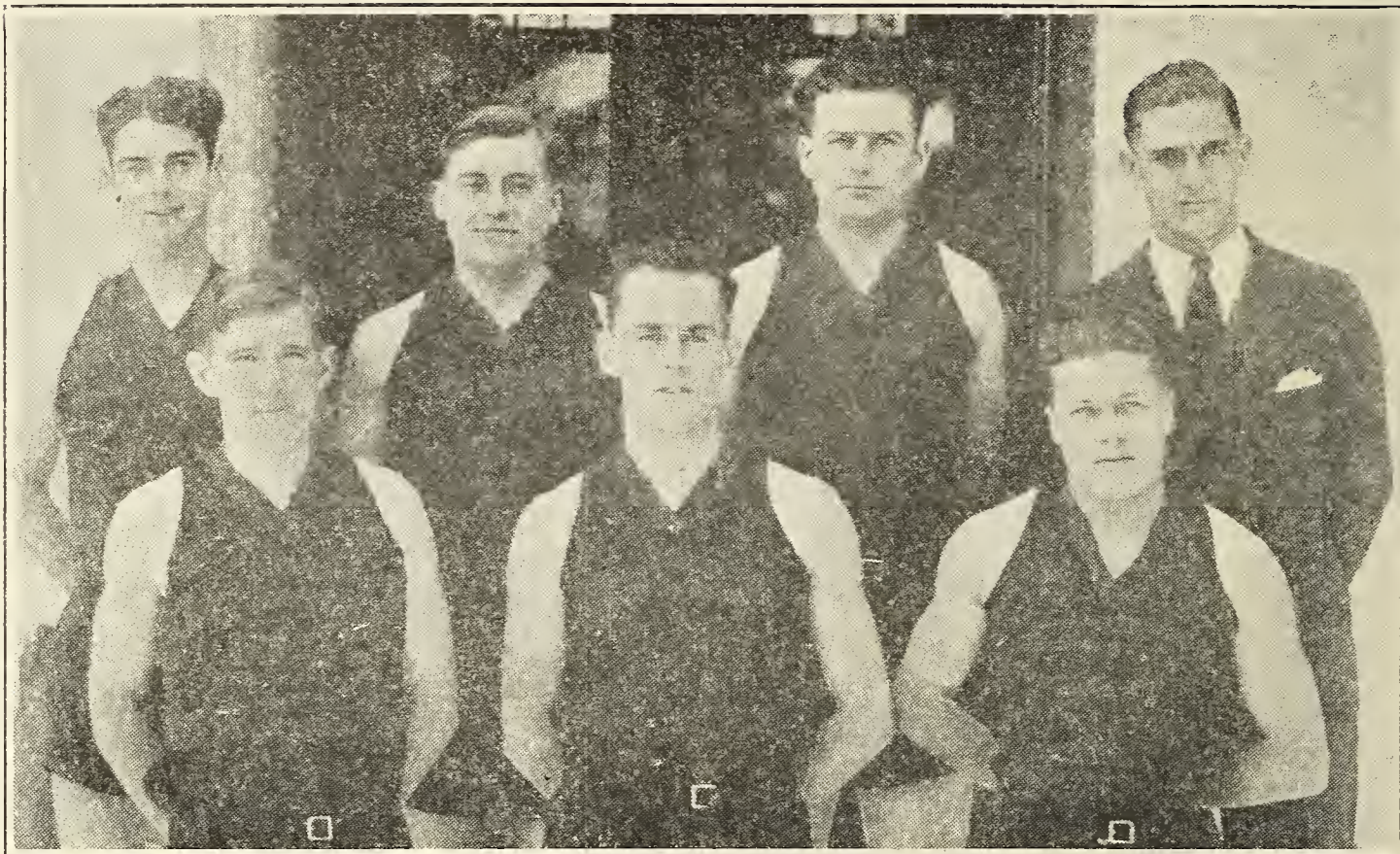
These Sleighs are strongly built. Runners, Risers, Pole, etc., are thoroughly air-seasoned, straight-grained Oak. The Beams are made of specially selected Canadian Hard Maple and all Sleighs are heavily and completely ironed.

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Province of Ontario Picture

Back Row:—Malkin; McCarthy; Dalziel; Ainslie, Mgr.
Front Row:—Garnett; Kendall; Thompson

Harriers

The Harrier team of the O. A. C. have again completed a successful year. The possibility of being admitted to the Inter-Collegiate Harriers perhaps stimulated more than ordinary interest in the club.

Twenty-one men finished in the Inter-year Harrier run. Bob Thompson finishing first, covering the course in 30 min. and 25 4-5 seconds—A new record for the College.

The next run was the Inter-Faculty competition at Toronto. Bob again finished first; Kendall, third; Garnet fifth; and McCarthy tenth. Placing which won the Brotherston Cup for the ninth year.

By invitation from the Queen's Club O. A. C. competed as an exhibition team at the Inter-Collegiate Harrier meet at Kingston. Our boys again came through

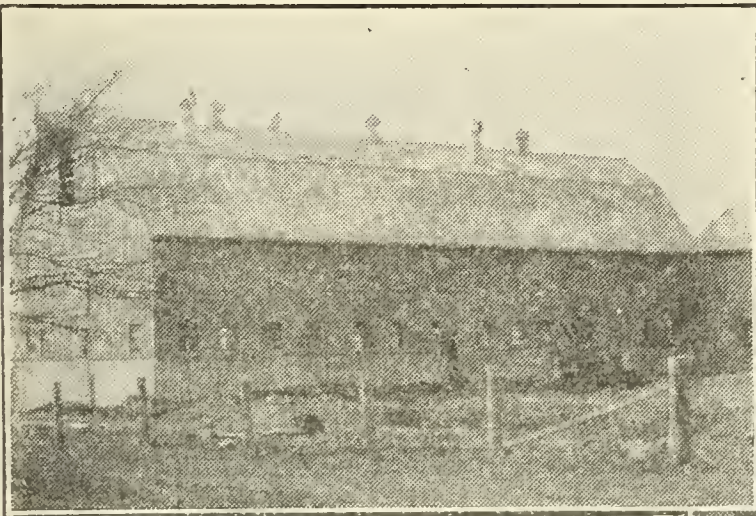
with a wonderful showing. Bob Thompson, fourth and E. Kendall fifth; which goes to prove O. A. C.'s ability to compete in the Inter-Collegiate Harriers.

At a meeting of the Club representatives after the Kingston run it was unanimously decided that O. A. C. should be admitted as a regular member of the Senior Intercollegiate Harrier Union.

Plans for an extensive program for next year's team are now under way. Several runs are being arranged and it is hoped the boys do as well in the coming season as they did in the past.

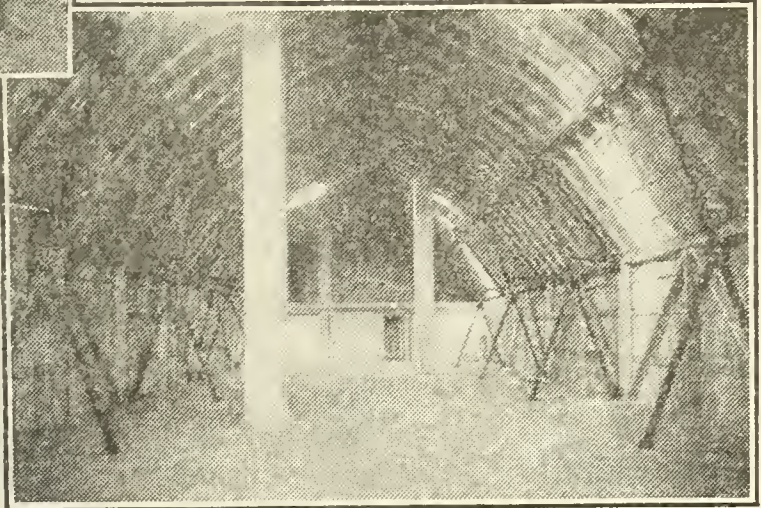
The following men constituted the team:

E. Kendall Sr. (Captain) '31; R. Thompson, '31; W. J. Garnett, '32; J. C. McCarthy, '33; O. Oatziel, '33. Manager R. Ainslie, '33; S. Malkin, and M. Glover also run at Toronto.



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Pictures in this Advt. by courtesy of Ontario Government Picture Bureau

Old Boys' Harrier Club

E. A. Banks, '31.

In view of the fact that the O. A. C. has definitely graduated to Senior Intercollegiate competition it has been proposed that the old boys of the Harrier Team come back and show the Freshmen how it's done—something after the style of the Old Boys rugby game. Whether or not it would be allowable or possible for the Old Boys' team to put in a new lineup of substitutes every half mile is a problem. The prosperity (?) that follows a good job after graduation sometimes enduces to an expansion of the waist-line and a depression of the staying powers.

With Bob Thompson and Ernie Kendall fresh from the field of battle as a nucleus it is expected that sufficient of the former road-pounders of the College can be collected to excite a little interest in a competition against the College team. Those who were here when "Coc" Cowan and Allan Dempsey ran a dead heat in a special mile race after already trying for points on Field Day would certainly be interested in seeing them in action

against next year's stars.

One of the greatest developers of human powers (in anything—not only in sports) is *competition*. Many a man has said to himself, "Oh, I can't do that." until under the stress of competition he has found he has hitherto been only half trying. If by supplying the stimulus of a little competition early in the season we can help to develop the talent activities, the men of Queen's, McGill and R. M. C., as well as Varsity will indeed say in the future "what manner of place is this O. A. C., that breeds such men.

("Hasty", as everybody knows, held the record for the five-mile cross country here, until Bob Thompson broke it this year. He was constantly in front in all long distance races connected with the College while an undergraduate and is now working at Vineland Experimental Stations, where he will be glad to receive any inquiries relative to the proposed club. It is to be hoped this suggestion will be acted upon at once.

Editor).

Soccer

Team play, and condition were the outstanding characters of the 1930 Soccer team, which carried off the honours in Senior Intercollegiate company this year by winning four games out of four played against Western University and McMaster.

Manager Hogg, "Scotty" McFarlane and Professor Blackwood handled the team in such a way as to make every man a ninety minute player. While Bill Wilson, the goalie, received some valuable hints from Professor Baker.

The honours for the year for individual efficiency are divided among "Pop"

Cowie, captain; Bill Garnett, "Amos" Cruikshank and Bill VanDiepen.

What "Pop" lacked at times in accuracy of ball handling he made up for in running, and particularly in the third game of the season, he out-ran, out-thought and out-played his opponents, thoroughly justifying the confidence placed in him when he was chosen captain. His coolness at all times steadied up the whole team.

Bill Garnett with his training in the Harriers and his exceptional ability as a ball handler had his half back opponents winded and guessing most of the time.



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and with "Amos" at outside left, the two formed a combination which was practically never stopped till within shooting distance of the goal.

Cruikshank's success this year was due to three things in each of which he excelled any other members of the team. Promptness and speed combined, 100 per cent on the job, and accuracy of centering the ball when near the penalty area.

Bill Van Dieper earlier in the season, could not be kept to his position. At inside right Bill had a tendency to play all over the field, so he was placed at center half in a last effort to control him or give him an opportunity of running himself to a finish. He is still running, covers the whole centre field in masterly fashion and has well earned the reputation of being the "smoothest" centre half we have had in ten years.

Bill Wilson, our goalie, is the idol of the team. Whether Bill misses them or not, does not affect the estimate which the team has placed upon his personal charms. His pet aversion is the long drop under the bar. This reputation gained this year puts him between the posts again next year. 'Nuff said!

"Kemptville" or "Aberdeen" or both, supplied us with our utility man this year in the form of Jerry Walker. He has two feet and a thorough knowledge of soccer from every standpoint. Thus equipped he started at centre forward early in the season. Later he was transferred to the right half and nearly lost his position on the forward line by playing an even stronger game in his second position. He has returned to the forward line again because it is necessary to "score" in order to win in soccer games and we need him on the attack.

The inside right position has been filled this season by any or all who have as-

pirations and our best selection to date is Bruce Twamley whose chief weakness is psychological. Bruce looks at his opponents through a telescopic eye. They appear near and very large and give Bruce no time to handle himself as efficiently as he does in practice games. He has improved more than any other man on the field and being an inveterate worker bids fair to be one of our strongest forwards for next season.

Kemptville's second contribution to our team is T. S. Kennedy, a man gifted with an ability to handle the ball and speed to burn. If Kennedy would put the energy into his play that "Crooky" does there is nothing in senior defense that could possibly stop him at outside. Our best selection on the wing for the year he has still to play as Kennedy can play and we are giving him his position permanently next year in order that he may demonstrate this fact.

MacMillan has risen from the ranks this year and has developed his ability to head his ball from in front of goal to such an extent that he sometimes forgets to use his feet. When he does use them he does so in such a way as to break up many a dangerous rush on the part of his opponents. His chief weakness is lack of promptness in turning if he misses his man or fails to kick. Another seasons playing will correct this and Mac will be one of our permanent regulars.

Gilbert is the man on the team whose "efficiency" is unquestioned. He gets greatest results for the energy expended than any other man on the team. He starts "late" at times but always heads for the right place to block the final advance of the opposing forwards. His "disposition" and "poise" both in the sense of dignity and stability is unequalled on the field by any other player.

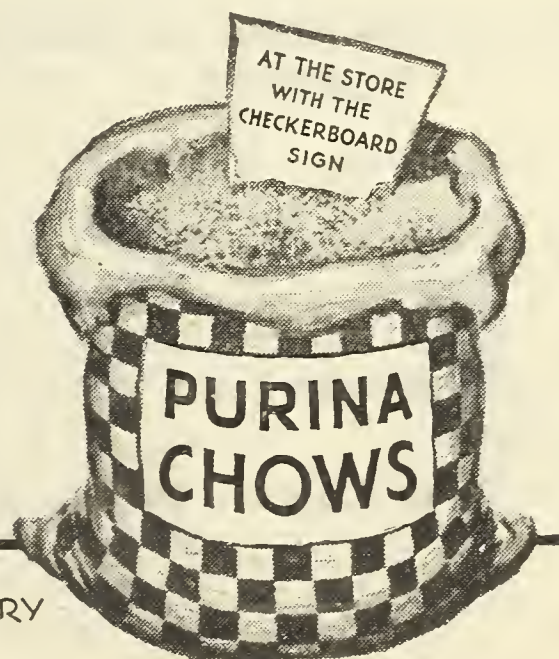


A CHRISTMAS PACKAGE for YOU

A CHRISTMAS PACKAGE...with your name on it...stowed away 'neath the family Yuletide tree. Filled with mystery...filled with surprise...filled with the good wishes from someone, somewhere. All dressed up, perhaps, in Christmasy clothes. The sort of dress that may be missing from another Christmas package that's in store for you...a package that's quite the same as that which comes to the man who feeds Purina Chows to his stock and chickens.

The Christmas package he gets is the extra things he finds in Purina Chows. The news that this Christmas package is very real comes from a farm-to-farm feed survey. Purina men have worked many months asking at every farm...what do you feed...what do you get from each bagful...what does this feed cost? And now the answer is ready to be told. 42 more eggs in every bagful of Purina Laying Chows above the average of over 125 other feeds...all for 37 cents. 31 more quarts in every bagful of Purina Dairy Chows...all for 42 cents. So the story goes. Every one of Purina's many Chows, the survey reveals, carries extra things stowed away in every bagful...the things that make a bag of feed a bargain.

So you can be very sure of an extra Christmas package in your home...sure because so many, many others are already getting this package...this extra money that comes to him who feeds Purina Chows. This is the kind of a Christmas package that brings many other Christmas packages into your home...this is the kind of a package you can have every Christmas...by feeding Purina Chows every year! Ralston Purina Company, Limited; Woodstock, Ont. and Montreal, P. Q.



MAKERS OF 63 CHOWS for LIVESTOCK and POULTRY

Swan, who comes to us from across the Dundas Road, is destined to find a permanent place on the team. Another utility man, he is a most valuable asset and at full back or center forward has held his own this year with any of them. No full back gets free kicks when Swan is on the forward line. He is the only man on the team who may be called aggressive in body checking. We are disposed to think he rather takes kindly to it.

Glover has failed to make a permanent place on the team only because there are but six defence men needed and he is the seventh. In practice games later on in the season he exhibited such condition, and sterling defence characteristics that he was given a try out against McMaster and if there has been an error in choice of men this year it has been

in the case of Glover who should have been on the regular line-up earlier in the season. To him is given the credit in the last game of the season for holding up the fastest man on the McMaster line and doing it in tip 'op shape.

Next year we look not only for the Western group championship, but intend to end up on top of the heap in the Provincial Inter Collegiate Union.

The results of the games were as follows:

O. A. C. vs. Western at O.A.C. won 3-1
O. A. C. vs. Western at Western " 1-0
O. A. C. vs. McMaster at O. A. C. " 2-0
O.A.C. vs. McMaster at McMaster " 4-2

The regular team was as follows:

Goal, Bill Wilson; Backs Cowie, McMillan; half backs, VanDiepen, Gilbert, Glover; forwards, Cruikshank, Garnett, Swan, Walker, Kennedy.



THE IMPORTANCE OF BEING EARNEST

Two worms were digging in dead earnest.

Poor Ernest.

What resemblance has a woman to a banana peel?

Both have contributed to the fall of man.

FOR SALE

Diamond engagement ring—or would exchange for revolver in good working order.

PROFS GET READY, HERE ARE A FEW:

1. A polygon is a man with several wives.
2. An epitaph is a short sarcastic poem.
3. Two straight lines cannot enclose a space unless they are bent.
4. The Royal mint is what the King puts on his new potatoes.

Daphne went upon the ice
To have a little frisk,
Wasn't she a silly girl,
Her little * ?

(*This sign is known as an asterisk)



Few Fields Offer a Greater Opportunity

THE business of farming is not what it used to be. Time was when a farmer could go on year after year without making much money on his crops and still retire, a well-to-do man, on the increased value of his land.

Nowadays the money is made on crops and produce, or it isn't made at all. This means different farming methods, cutting production costs to the bone, doing farm work when and as it should be done, taking less time to each job—in short, power farming.

It also means using more efficient machinery and equipment, which has to be sold, even to farmers who know they must come to it. This kind of selling requires technical knowledge and training on the part of the dealer—college training, or its equivalent in natural ability.

Because of these conditions, there are few fields of present activity that offer greater opportunities to college trained men than the retailing of modern farm equipment and machinery. You have just the training and ability needed. The new business in sight and the replacement business will keep you busy from the start. And, best of all, the work is constructive. Your customers profit as well as you.

J. I. CASE COMPANY



CASE

FROM MAC TO DIET KITCHEN

(Continued from Page 173)

tenor of those sleepy morning hours is broken by an argument with a nurse who has arrived too late for breakfast. These arguments always culminate in: "Well I want to see the Head Dietitian!" This is just what I have been waiting for, and I show her into the lair of that authority. Now, what transpires there I know not, but always inside of a very few minutes the once-irate nurse comes out, gracious and smiling, perfectly reconciled to a breakfastless morning.

Such is the charm of our Head.

Other little incidents occur to lend spice to life. For instance trying to make a non-English speaking Pole understand that more vegetable is needed, or trying to tell a Swedish bus-boy that the tables are not in a straight line.

The main duty, however, is to stand against the refrigerator and watch the succession of white-gowned, black banded nurses file by.

Then there is the ordering of supplies for the following day etc. Spare time is spent in helping in the Diet Kitchen of the Private Pavilion.

NOV. 18—Today's little incident was teaching the Polish dishwasher how to mop a floor and to wash a mop. (Hail to Household Management Class). Now. Miss Kay may advocate the lecture and demonstration method, and Dr. Ross the project method, but when it comes right down to dealing with not overly-intelligent people who don't speak your language; well, you've just got to show them; and then make them show you.

Now, of course, after two weeks in the Cafeteria I am beginning to be of some practical use as a supervisor.

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Sore Throat—Your room mate is suffering from the old complaint. Keep his mind off the subject. Hit him on the head with empty bottle. This is an infallible cure.

Thirsty Father—Consumption is very hard to cure, especially the consumption of beer.

Worried Reader—Varicose veins are very hard to dispose of. If they are in good condition you might sell them in part exchange, but the market is not good.

PERSONAL

Pop King Detective Agency—Co-respondents supplied; blackmail undertaken; bets collected; corpses disposed of; arsenic sent in plain trucks; other companies' detectives shadowed. Don't write or phone in confidence. Apply Mills Hall.

Burlington Bass Mouthy—Really cannot; naughty, naughty, naughty; Never again. Sim Co.

If young man who knocked down my mother-in-law last Tuesday will call at the local liquor store, he will get something to his advantage.

Today's great thought from the Local Editor—Oh, Damn

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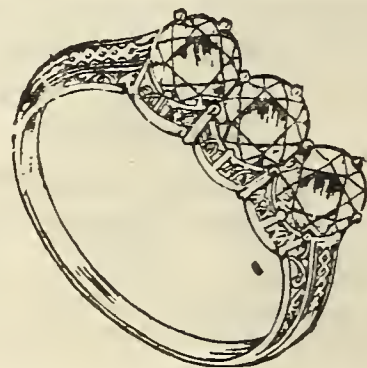
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"The Reason Why"

I have seen some thinnest fellows
Who remind me of a lath,
I have heard of one who vanished
Via the plug-hole of his bath;
But for lean and lanky beauty
And for bows that plainly show,
I have never met one like you,
That is why I love you so.

FASHION NOTE

In bygone days
It was a craze
To dress like Mother Hubbard;
But young girls now
Dress more I vow,
Like Mother Hubbard's cupboard.

Where do you find man goes?
Where woman goes.

THERE'S STILL A CHANCE FOR US

He went to work on Monday.

On Tuesday he took a display sign
off a lady's blouse and put it on a
bath.

The sign read: "How would you like
to see your best girl in this for \$2."

He was made manager on Wednesday.

Aunt Agatha was recovering from
an attack of flu and was somewhat
upset to have well-meaning but
tactless visitors tell her how it she
still looked.

"Her nephew, a sympathetic little
lad, was doing his best to comfort
her.

"Don't you let 'em make you feel
bad, auntie," he said, "I don't think
you look a bit worse than you al-
ways do."

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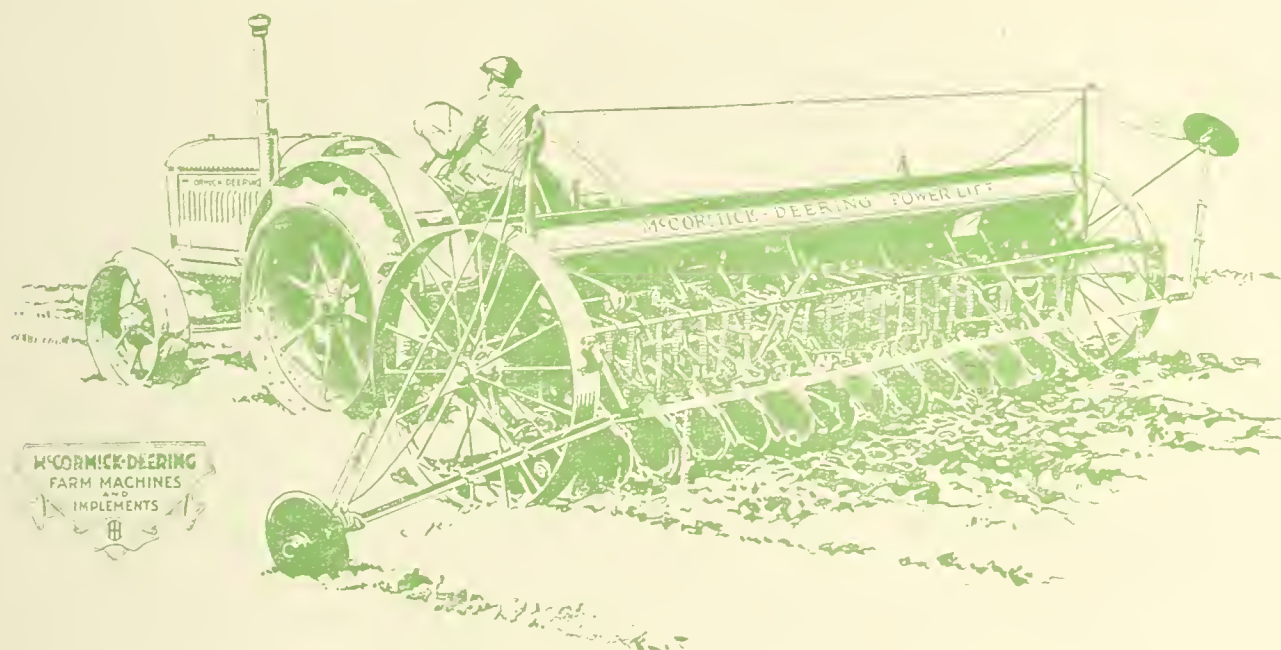
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R. H. Harvey, Manager

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McCormick-Deering Power Farming Equipment Makes Lower Costs Possible

The tractor versus horse question is no longer a question of whether you "like horses" or "like tractor"—fluctuating market prices have decided the issue. In most cases, costs simply cannot be kept down low enough with horse-drawn equipment to leave the horse farmer a satisfactory profit, whereas the properly managed tractorized farm is producing crops at a fair profit even in unfavorable seasons.

In farming each man must accomplish more each day—keeping costs per acre and per bushel down to a new low level—if the grain crop is to earn a profit on the market. The barn-full of horses and the house-full of hired help are luxuries Canadian agriculture cannot well afford in any season; much less when crop prices are low. For any man to revert to these practices in the present agricultural situation would be like sawing off a board that is already too short.

For 1931 the true economy will lie in the adoption of fast-working efficient powers and equipment; the day and night operation of equipment; and close planning to make every dollar's worth of labor and equipment produce the maximum number of bushels at the lowest possible cost.

Ask the McCormick-Deering dealer for our latest power farming equipment folder.

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